A8620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703) 827-5260

STATISTICAL

No. 90-91 August 28, 1991

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – JUNE 1991

(Values in Millions of U.S. Dollars)

	June 1991	May 1991	Average Mar.-May	Year to Date '91	Year to Date '90	% Change YTD '90-'91
METAL CUTTING MACHINE TOOLS						
Exports	$ 61.7	$ 53.1	$ 51.0	$316.4	$307.3	3.0%
Imports	$144.0	$153.5	$155.4	$859.0	$843.5	1.8%
Balance	($ 82.3)	($100.4)	($104.4)	($542.6)	($536.2)	1.2%
METAL FORMING MACHINE TOOLS						
Exports	$ 43.7	$ 49.9	$ 41.5	$235.0	$239.7	(2.0%)
Imports	$ 34.7	$ 40.7	$ 56.2	$294.1	$232.0	26.8%
Balance	$ 9.0	$ 9.2	($ 14.7)	($ 59.1)	$ 7.7	NM
MACHINE TOOL TOTAL						
Exports	$105.4	$103.0	$ 92.6	$551.5	$547.0	0.8%
Imports	$178.6	$194.2	$211.5	$1,153.1	$1,075.5	7.2%
Balance	($ 73.2)	($ 91.2)	($118.9)	($601.6)	($528.5)	13.8%
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 27.0	$ 34.4	$ 31.5	$175.7	$175.3	0.2%
Imports	$114.6	$111.7	$112.4	$625.4	$571.1	9.5%
Balance	($ 87.6)	($ 77.3)	($ 80.9)	($449.7)	($395.8)	13.6%
OTHER MANUFACTURING TECHNOLOGY						
Exports	$139.9	$152.3	$142.7	$833.9	$920.5	(9.4%)
Imports	$155.3	$178.5	$180.8	$1,024.9	$987.3	3.8%
Balance	($ 15.4)	($ 26.2)	($ 38.1)	($191.0)	($ 66.8)	185.9%

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. NM = not meaningful. Individual items may not add up to totals due to rounding.

• U.S. machine tool exports reached $105.4 million in June, marking the first time in ten years that exports have exceeded $100 million for two consecutive months. For the first time this year, exports are slightly ahead of last year's record pace.

• U.S. machine tool imports fell 8% in June to $178.6 million, the second consecutive monthly decline. Year-to-date imports are still 7% higher than last year at this time.

• Year-to-date exports of numerically controlled machine tools are up a fraction over last year to $175.7 million, while imports are up 10% to $625.4 million.

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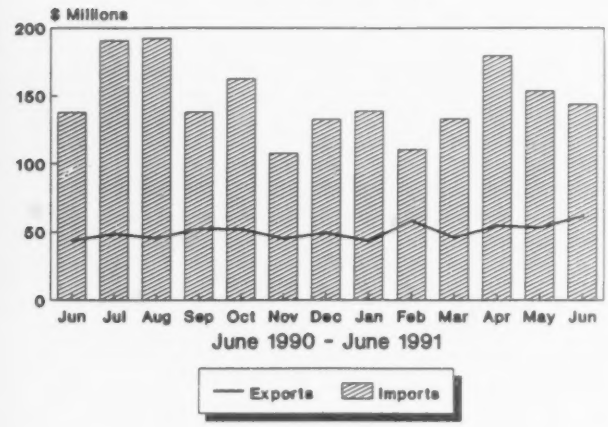
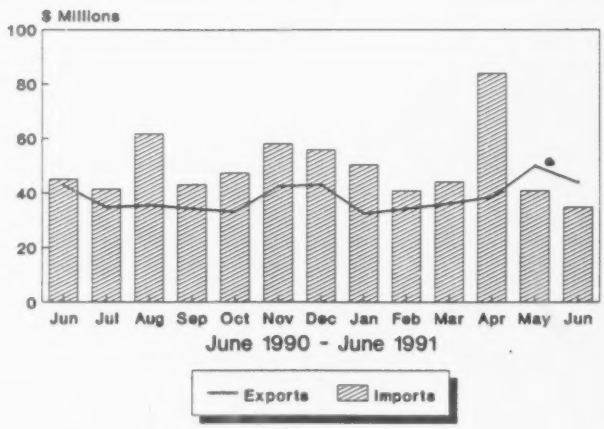
U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

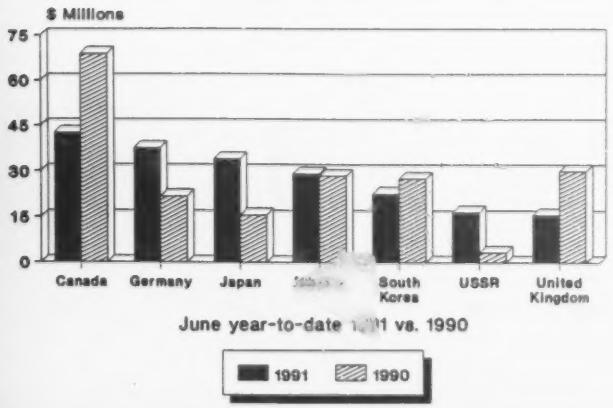
Exports

• Exports of metal cutting machines in June rose to $61.7 million, the highest monthly total since July 1981. The top markets in June: Japan ($11.0 million), Mexico ($8.2 million) and Canada ($8.2 million).

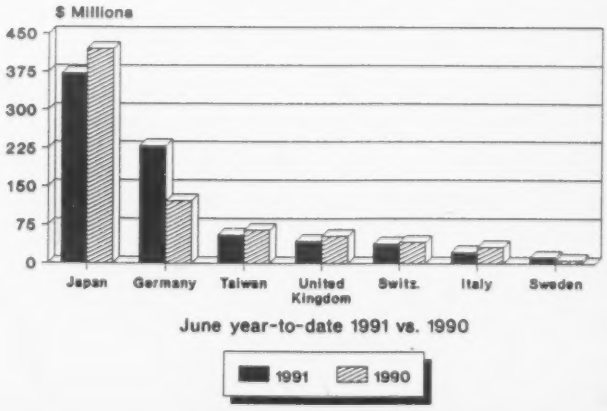
• Canada is the top year-to-date export market at $42.7 million, down 38% from last year. Germany is next at $37.7 million (up 74%), followed by Japan ($34.1 million, up 119%), Mexico ($29.2 million, up 3%) and South Korea ($22.6 million, down 18%).

• Exports of gear cutting machines through June ($38.9 million) are up 58% over last year; exports of milling machines ($22.9 million) are up 31%. Exports of grinding machines ($58.0 million) are down 10%, and exports of NC horizontal lathes ($17.8 million) are down 32%.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

• Imports of metal cutting machines in June fell 6% to $144.0 million. Year-to-date imports are $859.0 million, up 2% from last year at this time.

• Year-to-date imports of machining centers (1,291 units, $241.6 million) are down 25% in unit terms but up 20% in value terms over last year. Imports of grinding machines (3,072 units, $116.1 million) are down 29% in unit terms and down 11% in value terms.

• Imports from Germany in 1991 through June reached $230.0 million, up 87% over last year. Imports from Sweden ($12.3 million) are up 83%, while imports from Belgium ($1.3 million) are up 28%. Imports from every other major supplier are down in 1991 compared to last year, including Japan (down 12%) and Taiwan (down 15%).

METAL FORMING MACHINE TOOLS

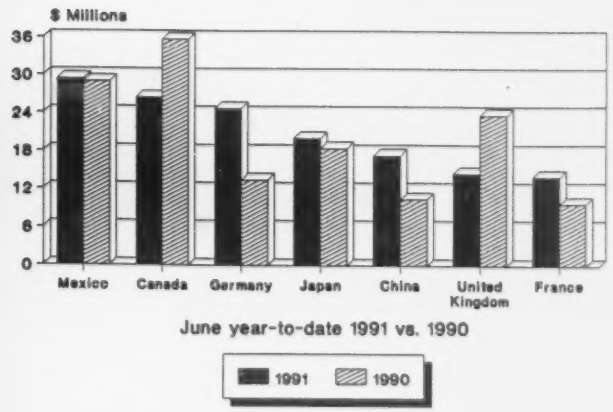
Exports

• Exports of metal forming machines fell to $43.7 million in June, down from May's $49.9 million. The average for 1991: $39.2 million. Year-to-date exports are down 2% from last year.

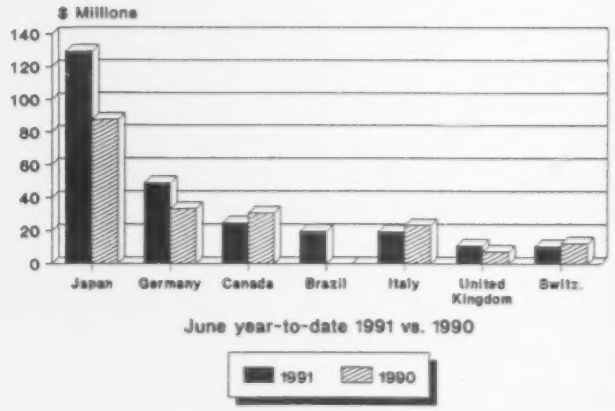
• Year-to-date exports of presses are down both in unit terms (23%) and value terms (36%) over last year; exports of bending and forming machines are down 1% in unit terms but up 27% in value terms.

• Mexico is the top export market so far in 1991 at $29.4 million, up slightly from last year. Exports to Thailand ($5.1 million) are up 110% over last year; exports to Indonesia ($3.4 million) are up from just $51,094 last year at this time.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

• Imports of metal forming machines in June fell to their lowest level since February 1990, totalling $34.7 million. Year-to-date imports are led by presses ($101.3 million, up 133% over last year) and bending and forming machines ($40.7 million, down 4%).

• Japan is the top import source at $129.2 million, up from $87.6 million last year at this time. Other top import sources are Germany ($49.0 million), Canada ($24.6 million) and Brazil ($19.7 million).

OTHER MANUFACTURING TECHNOLOGY

Exports

• Exports of other manufacturing technology were $139.9 million in June, down from an average of $142.7 million for the previous three months.

• Exports of machine tool parts and accessories so far in 1991 are $335.2 million, down from $364.3 million last year at this time. The top export markets in 1991: Canada ($59.4 million, down from $84.4 million in 1990), Germany ($35.0 million, down from $38.4 million last year) and Japan ($31.1 million, down from $31.9 million).

Imports

• June imports of other manufacturing technology were $155.3 million, for a year-to-date total ($1.0 billion) up 4% over last year.

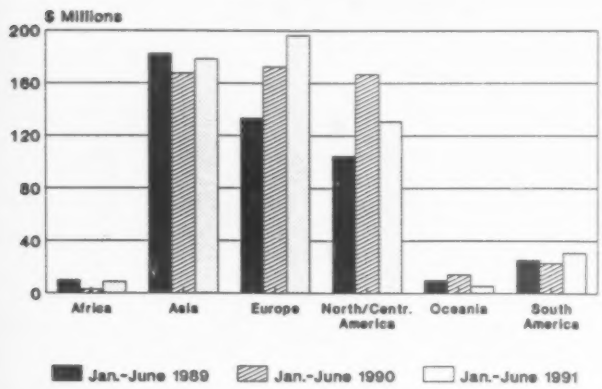
• Imports of numerical controls for controlling machine tools in 1991 through June are 4,725 units valued at $17.2 million. The comparable figures for 1990: 7,771 units valued at $25.9 million.

MONTHLY FOCUS

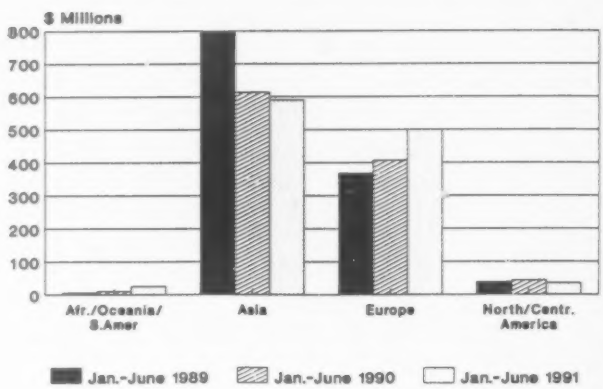
In the first six months of 1990, U.S. machine tool exports to North/Central America, Asia and Europe were nearly equal: $166.6 million for North/Central America, $167.7 million for Asia; and $172.4 million for Europe. In 1991 through June exports are not nearly as evenly spread. In Europe, higher exports to Germany, France and the USSR exceed lower exports to the United Kingdom and Belgium, for a total of $196.3 million, up 14% over last year. Conversely, a sharp drop in exports to Canada has led to total exports to North/Central America of $131.1 million, 21% lower than last year. Exports to Asia so far this year are $178.3 million, up 6% over last year but down 2% from 1989 at this time.

Exports to South America in 1991 through June are up 35% over last year; exports to Africa are up more than 200%. Exports to Oceania -- Australia and New Zealand -- are down 61% from 1990 at this time.

U.S. Machine Tool Exports By Region
January-June 1989, 1990, 1991



U.S. Machine Tool Imports By Region
January-June 1989, 1990, 1991



Source: U.S. Bureau of the Census

1991 EXPORTS

METAL CUTTING

COUNTRY	JUNE	MAY	% CHANGE	JUNE'91 YTD	JUNE'90 YTD	% CHANGE
Canada	$8,154,483	$12,619,650	-35.4%	$42,659,512	$68,903,254	-38.1%
Germany	4,612,656	3,792,815	21.6%	37,703,295	21,686,944	73.9%
Japan	10,974,569	5,145,053	113.3%	34,057,522	15,549,896	119.0%
Mexico	8,218,265	5,662,626	45.1%	29,156,544	28,439,391	2.5%
South Korea	6,400,548	2,979,701	114.8%	22,587,632	27,535,520	-18.0%
USSR	1,372,700	961,957	42.7%	16,569,190	3,241,319	411.2%
United Kingdom	3,881,998	3,089,947	25.6%	15,650,001	30,003,577	-47.8%
China	1,135,393	3,281,521	-65.4%	14,539,388	11,913,898	22.0%
France	646,214	2,456,665	-73.7%	10,353,560	4,876,754	112.3%
Italy	1,002,598	402,436	149.1%	7,507,352	8,129,329	-7.7%
India	1,392,894	56,043	2,385.4%	7,093,506	10,124,429	-29.9%
Brazil	1,841,252	807,238	128.1%	6,542,376	8,699,159	-24.8%
Belgium	668,598	737,289	-9.3%	6,241,769	14,170,829	-56.0%
Venezuela	874,293	1,150,280	-24.0%	6,235,812	3,658,542	70.4%
Taiwan	1,565,630	1,263,538	23.9%	6,008,442	3,399,239	76.8%
Singapore	1,798,904	874,912	105.6%	4,668,178	4,403,797	6.0%
Switzerland	908,911	418,552	117.2%	3,504,113	3,028,906	15.7%
Netherlands	135,708	217,498	-37.6%	3,149,814	2,526,922	24.7%
Australia	677,193	122,228	454.0%	2,701,092	10,007,021	-73.0%
Thailand	53,682	536,601	-90.0%	1,636,658	1,145,658	42.9%
Malaysia	309,918	623,253	-50.3%	1,635,699	642,908	154.4%
Indonesia	0	1,212,769	-100.0%	1,294,474	130,842	889.3%
Spain	19,984	442,891	-95.5%	1,009,229	2,675,878	-62.3%
Austria	144,665	26,028	455.8%	638,179	190,049	235.8%

METAL FORMING

COUNTRY	JUNE	MAY	% CHANGE	JUNE'91 YTD	JUNE'90 YTD	% CHANGE
Mexico	$6,878,437	$5,984,291	14.9%	$29,376,167	$28,992,751	1.3%
Canada	4,679,687	3,382,214	38.4%	26,427,409	35,638,256	-25.8%
Germany	2,334,464	9,060,429	-74.2%	24,757,035	13,436,352	84.3%
Japan	2,640,973	2,924,556	-9.7%	20,039,551	18,460,279	8.6%
China	1,336,266	10,819,650	-87.6%	17,332,365	10,466,929	65.6%
United Kingdom	3,884,185	632,977	513.6%	14,525,919	23,727,260	-38.8%
France	3,791,859	1,429,585	165.2%	14,007,861	9,742,923	43.8%
South Korea	1,684,170	2,894,408	-41.8%	11,797,236	20,053,838	-41.2%
Netherlands	351,273	798,133	-56.0%	6,186,800	3,990,488	55.0%
Thailand	2,841,908	377,686	652.5%	5,108,875	2,428,334	110.4%
Italy	969,325	1,478,970	-34.5%	4,841,360	5,659,721	-14.5%
Taiwan	509,210	540,478	-5.8%	4,657,229	8,987,397	-48.2%
Brazil	1,271,121	227,425	458.9%	4,022,584	2,746,149	46.5%
Indonesia	108,013	1,384,349	-92.2%	3,437,699	51,094	6,628.2%
Spain	2,623,337	200,575	1,207.9%	3,361,839	3,321,914	1.2%
Singapore	251,798	395,468	-36.3%	3,249,305	3,272,097	-0.7%
Australia	624,611	242,963	157.1%	1,998,261	3,293,028	-39.3%
Belgium	1,010,320	183,096	451.8%	1,803,814	2,093,990	-13.9%
Venezuela	507,503	282,609	79.6%	1,324,832	863,100	53.5%
Switzerland	110,417	142,699	-22.6%	1,297,732	1,380,508	-6.0%
Malaysia	3,393	158,579	-97.9%	813,534	3,128,863	-74.0%
India	111,902	28,327	295.0%	789,535	5,302,748	-85.1%
Austria	0	0	NA	187,657	1,632,485	-88.5%
USSR	25,640	0	NA	25,640	694,819	-96.3%

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	JUNE	MAY	% CHANGE	JUNE'91 YTD	JUNE'90 YTD	% CHANGE
Canada	$12,834,170	$16,001,864	-19.8%	$69,086,921	$104,541,510	-33.9%
Germany	6,947,120	12,853,244	-46.0%	62,460,330	35,123,296	77.8%
Mexico	15,096,702	11,646,917	29.6%	58,532,711	57,432,142	1.9%
Japan	13,615,542	8,069,609	68.7%	54,097,073	34,010,175	59.1%
South Korea	8,084,718	5,874,109	37.6%	34,384,868	47,589,358	-27.7%
China	2,471,659	14,101,171	-82.5%	31,871,753	22,380,827	42.4%
United Kingdom	7,766,183	3,722,924	108.6%	30,175,920	53,730,837	-43.8%
France	4,438,073	3,886,250	14.2%	24,361,421	14,619,677	66.6%
USSR	1,398,340	961,957	45.4%	16,594,830	3,936,138	321.6%
Italy	1,971,923	1,881,406	4.8%	12,348,712	13,789,050	-10.4%
Taiwan	2,074,840	1,804,016	15.0%	10,665,671	12,386,636	-13.9%
Brazil	3,112,373	1,034,663	200.8%	10,564,960	11,445,308	-7.7%
Netherlands	486,981	1,015,631	-52.1%	9,336,614	6,517,410	43.3%
Belgium	1,678,918	920,385	82.4%	8,045,583	16,264,819	-50.5%
Singapore	2,050,702	1,270,380	61.4%	7,917,483	7,675,894	3.1%
India	1,504,796	84,370	1,683.6%	7,883,041	15,427,177	-48.9%
Venezuela	1,381,796	1,432,889	-3.6%	7,560,644	4,521,642	67.2%
Thailand	2,895,590	914,287	216.7%	6,745,533	3,573,992	88.7%
Switzerland	1,019,328	561,251	81.6%	4,801,845	4,409,414	8.9%
Indonesia	108,013	2,597,118	-95.8%	4,732,173	181,936	2,501.0%
Australia	1,301,804	365,191	256.5%	4,699,353	13,300,049	-64.7%
Spain	2,643,321	643,466	310.8%	4,371,068	5,997,792	-27.1%
Malaysia	313,311	781,832	-59.9%	2,449,233	3,771,771	-35.1%
Austria	144,665	26,028	455.8%	825,836	1,822,534	-54.7%

1991 IMPORTS

METAL CUTTING

COUNTRY	JUNE	MAY	% CHANGE	JUNE'91 YTD	JUNE'90 YTD	% CHANGE
Japan	53,601,710	59,785,295	-10.3%	371,352,552	419,739,263	-11.5%
Germany	52,275,221	48,972,489	6.7%	229,996,115	122,755,724	87.4%
Taiwan	8,265,642	7,151,921	15.6%	55,864,089	65,441,728	-14.6%
United Kingdom	5,023,408	7,116,379	-29.4%	43,893,185	53,433,104	-17.9%
Switzerland	6,543,203	7,098,549	-7.8%	38,423,685	41,705,349	-7.9%
Italy	5,076,750	5,793,204	-12.4%	22,586,768	31,692,294	-28.7%
Sweden	868,907	3,448,836	-74.8%	12,330,518	6,723,003	83.4%
Spain	1,016,548	1,191,046	-14.7%	10,983,545	11,598,733	-5.3%
France	948,235	2,428,213	-60.9%	9,905,423	12,717,075	-22.1%
Canada	1,997,968	1,166,177	71.3%	9,227,562	12,085,803	-23.6%
South Korea	1,511,994	1,075,367	40.6%	8,990,561	10,560,566	-14.9%
Singapore	1,153,400	979,116	17.8%	5,478,835	10,783,961	-49.2%
Brazil	412,183	631,862	-34.8%	4,144,455	8,654,424	-52.1%
Belgium	3,820	262,697	-98.5%	1,296,992	1,015,740	27.7%

METAL FORMING

COUNTRY	JUNE	MAY	% CHANGE	JUNE'91 YTD	JUNE'90 YTD	% CHANGE
Japan	8,193,742	19,523,303	-58.0%	129,230,004	87,646,001	47.4%
Germany	9,664,765	6,126,987	57.7%	49,018,592	33,523,223	46.2%
Canada	3,827,395	2,976,333	28.6%	24,564,708	30,640,856	-19.8%
Brazil	0	478,052	-100.0%	19,696,889	0	NA
Italy	2,189,022	4,593,392	-52.3%	19,427,449	23,194,021	-16.2%
United Kingdom	696,966	3,713,159	-81.2%	10,878,341	7,340,037	48.2%
Switzerland	3,178,774	267,196	1,089.7%	10,549,722	12,268,375	-14.0%
Sweden	887,335	580,889	52.8%	7,156,320	4,303,795	66.3%
Belgium	484,540	866,650	-44.1%	4,948,678	14,707,832	-66.4%
Taiwan	381,556	431,340	-11.5%	3,348,182	5,704,133	-41.3%
Spain	276,854	211,416	31.0%	1,533,013	2,500,381	-38.7%
France	110,501	51,591	114.2%	1,102,255	2,143,284	-48.6%
South Korea	82,000	0	NA	445,335	123,692	260.0%
Singapore	0	0	NA	300,254	57,059	426.2%

METAL CUTTING AND METAL FORMING

COUNTRY	JUNE	MAY	% CHANGE	JUNE'91 YTD	JUNE'90 YTD	% CHANGE
Japan	61,795,452	79,308,598	-22.1%	500,582,556	507,385,264	-1.3%
Germany	61,939,986	55,099,476	12.4%	279,014,707	156,278,947	78.5%
Taiwan	8,647,198	7,583,261	14.0%	59,212,271	71,145,861	-16.8%
United Kingdom	5,720,374	10,829,538	-47.2%	54,771,526	60,773,141	-9.9%
Switzerland	9,721,977	7,365,745	32.0%	48,973,407	53,973,724	-9.3%
Italy	7,265,772	10,386,596	-30.0%	42,014,217	54,886,315	-23.5%
Canada	5,825,363	4,142,510	40.6%	33,792,270	42,726,659	-20.9%
Brazil	412,183	1,109,914	-62.9%	23,841,344	8,654,424	175.5%
Sweden	1,756,242	4,029,725	-56.4%	19,486,838	11,026,798	76.7%
Spain	1,293,402	1,402,462	-7.8%	12,516,558	14,099,114	-11.2%
France	1,058,736	2,479,804	-57.3%	11,007,678	14,860,359	-25.9%
South Korea	1,593,994	1,075,367	48.2%	9,435,896	10,684,258	-11.7%
Belgium	488,360	1,129,347	-56.8%	6,245,670	15,723,572	-60.3%
Singapore	1,153,400	979,116	17.8%	5,779,089	10,841,020	-46.7%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	5,350	13,231,937	5,314	9,384,660	5,918	12,359,757	5,272	15,333,596
Boring Machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling Machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear Cutting Machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding Machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
Horizontal Lathes NC	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
Vertical Lathes NC	1	161,310	2	341,835	6	371,174	1	89,700
Lathes Non-NC	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling Machines	21	1,285,651	27	1,256,940	56	1,629,636	35	6,730,275
Machining Centers	18	2,251,834	27	4,699,366	21	6,179,301	33	5,723,799
Station Type Machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other Metal Cutting	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & Shearing Machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & Forming Machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging Machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other Metal Forming	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	MAY 1991		JUNE 1991		JUNE 1991 YTD		JUNE 1990	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	5,847	14,473,978	6,716	15,068,308	34,417	79,852,236	6,556	17,922,902
Boring Machines	9	811,684	29	2,458,144	71	7,804,458	28	725,470
Drilling Machines	81	1,767,423	182	2,096,676	631	12,200,190	120	1,137,000
Gear Cutting Machines	39	6,598,232	42	10,858,258	156	38,896,041	23	7,676,020
Grinding Machines	285	9,241,644	390	12,599,243	1,779	57,964,443	266	5,746,890
Horizontal Lathes NC	19	1,914,295	25	2,373,736	159	17,847,573	45	4,033,357
Vertical Lathes NC	9	592,211	2	108,000	21	1,664,230	1	63,000
Lathes Non-NC	45	1,357,057	49	2,263,152	275	8,022,496	85	1,435,017
Milling Machines	57	5,134,958	73	6,889,800	269	22,927,260	13	603,525
Machining Centers	37	5,715,931	24	2,660,799	160	27,231,030	39	6,176,997
Station Type Machines	4	3,143,769	6	2,649,559	30	32,588,398	0	0
Other Metal Cutting	341	8,257,118	273	9,131,128	1,703	45,348,854	378	6,376,676
Punching & Shearing Machines	111	5,445,644	129	3,810,698	669	28,405,242	178	7,923,077
Bending & Forming Machines	108	5,331,914	257	9,068,216	822	37,667,244	125	4,440,766
Presses	96	6,098,800	210	6,552,960	991	37,914,887	154	10,425,441
Forging Machines	40	4,435,634	40	5,388,723	142	22,709,215	40	3,738,610
Other Metal Forming	223	22,718,552	234	11,390,564	1,374	72,414,933	340	8,244,762
TOTAL	7,351	103,038,844	8,681	105,367,964	43,669	551,458,730	8,391	86,669,510

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JUNE 1990 YTD Units	JUNE 1990 YTD Value	% CHANGE MAY'91 – JUNE'91 Units	% CHANGE MAY'91 – JUNE'91 Value	% CHANGE JUNE'90 – JUNE'91 Units	% CHANGE JUNE'90 – JUNE'91 Value	% CHANGE YTD'90 – YTD'91 Units	% CHANGE YTD'90 – YTD'91 Value
Used & Rebuilt & Under $2,500	30,162	81,314,028	14.9%	4.1%	2.4%	-15.9%	14.1%	-1.8%
Boring Machines	93	9,258,371	222.2	202.8	3.6	238.8	-23.7	-15.7
Drilling Machines	580	9,269,045	124.7	18.6	51.7	84.4	8.8	31.6
Gear Cutting Machines	120	24,702,476	7.7	64.6	82.6	41.5	30.0	57.5
Grinding Machines	1,764	64,114,799	36.8	36.3	46.6	119.2	0.9	-9.6
Horizontal Lathes NC	240	26,059,215	31.6	24.0	-44.4	-41.1	-33.8	-31.5
Vertical Lathes NC	31	2,686,358	-77.8	-81.8	100.0	71.4	-32.3	-38.0
Lathes Non-NC	392	9,346,234	8.9	66.8	-42.4	57.7	-29.8	-14.2
Milling Machines	235	17,458,885	28.1	34.2	461.5	1,041.6	14.5	31.3
Machining Centers	237	37,452,946	-35.1	-53.4	-38.5	-56.9	-32.5	-27.3
Station Type Machines	50	20,821,899	50.0	-15.7	NA	NA	-40.0	56.5
Other Metal Cutting	2,121	41,824,124	-19.9	10.6	-27.8	43.2	-19.7	8.4
Punching & Shearing Machines	834	38,061,653	16.2	-30.0	-27.5	-51.9	-19.8	-25.4
Bending & Forming Machines	834	29,629,910	138.0	70.1	105.6	104.2	-1.4	27.1
Presses	1,294	58,746,680	118.8	7.4	36.4	-37.1	-23.4	-35.5
Forging Machines	206	24,110,286	0.0	21.5	0.0	44.1	-31.1	-5.8
Other Metal Forming	1,708	52,151,624	4.9	-49.9	-31.2	38.2	-19.6	38.9
TOTAL	40,901	547,008,533	18.1	2.3	3.5	21.6	6.8	0.8

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991 Units	JANUARY 1991 Value	FEBRUARY 1991 Units	FEBRUARY 1991 Value	MARCH 1991 Units	MARCH 1991 Value	APRIL 1991 Units	APRIL 1991 Value
Used & Rebuilt & Under $2,500	71,667	13,094,991	94,612	15,968,463	63,827	14,630,134	91,842	16,332,717
Boring Machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling Machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear Cutting Machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding Machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
Horizontal Lathes NC	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
Vertical Lathes NC	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Lathes Non-NC	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling Machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining Centers	293	33,595,255	212	22,089,069	167	23,849,656	189	59,165,452
Station Type Machines	14	4,189,738	4	1,830,253	5	1,401,630	19	4,376,300
Other Metal Cutting	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & Shearing Machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & Forming Machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging Machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other Metal Forming	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
TOTAL	75,340	188,904,534	97,375	150,935,481	66,507	176,991,564	94,601	263,397,860

PRODUCT TYPES	MAY 1991 Units	MAY 1991 Value	JUNE 1991 Units	JUNE 1991 Value	JUNE 1991 YTD Units	JUNE 1991 YTD Value	JUNE 1990 Units	JUNE 1990 Value
Used & Rebuilt & Under $2,500	61,461	13,487,177	60,137	11,892,444	443,546	85,405,926	85,374	12,270,934
Boring Machines	53	7,001,111	55	3,314,472	350	29,118,860	33	4,123,015
Drilling Machines	79	6,287,879	146	3,825,684	645	26,249,345	110	2,955,449
Gear Cutting Machines	91	4,865,147	57	3,552,435	247	28,148,894	14	2,742,090
Grinding Machines	515	14,511,571	382	13,752,160	3,072	116,095,986	751	21,054,909
Horizontal Lathes NC	197	20,692,781	196	20,231,721	1,326	138,126,364	257	26,221,605
Vertical Lathes NC	2	1,159,139	6	908,254	56	12,235,337	10	1,453,386
Lathes Non-NC	442	10,258,079	402	8,630,438	2,535	44,049,910	758	16,925,801
Milling Machines	226	5,441,990	328	6,999,359	1,840	42,428,614	481	7,074,128
Machining Centers	199	40,498,256	231	62,377,569	1,291	241,575,257	269	26,963,021
Station Type Machines	16	13,375,688	8	1,595,456	65	26,769,065	4	4,151,942
Other Metal Cutting	252	18,837,312	314	9,426,321	1,814	87,630,587	302	13,417,230
Punching & Shearing Machines	109	4,442,498	74	5,337,144	498	26,879,971	165	6,624,692
Bending & Forming Machines	124	7,388,462	129	5,919,854	894	40,739,587	181	8,443,572
Presses	301	9,718,955	131	5,872,448	1,069	101,302,328	74	14,834,727
Forging Machines	152	6,220,779	69	5,986,386	422	32,003,970	85	3,437,927
Other Metal Forming	172	10,036,703	180	9,024,713	1,388	74,339,843	186	10,134,241
TOTAL	64,391	194,223,527	62,845	178,646,878	461,059	1,153,099,844	89,054	182,828,669

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JUNE 1990 YTD Units	JUNE 1990 YTD Value	% CHANGE MAY'91 – JUNE'91 Units	% CHANGE MAY'91 – JUNE'91 Value	% CHANGE JUNE'90 – JUNE'91 Units	% CHANGE JUNE'90 – JUNE'91 Value	% CHANGE YTD'90 – YTD'91 Units	% CHANGE YTD'90 – YTD'91 Value
Used & Rebuilt & Under $2,500	461,545	75,296,705	-2.2%	-11.8%	-29.6%	-3.1%	-3.9%	13.4%
Boring Machines	281	15,640,666	3.8	-52.7	66.7	-19.6	24.6	86.2
Drilling Machines	712	20,039,737	84.8	-39.2	32.7	29.4	-9.4	31.0
Gear Cutting Machines	258	21,155,208	-37.4	-27.0	307.1	29.6	-4.3	33.1
Grinding Machines	4,325	130,945,818	-25.8	-5.2	-49.1	-34.7	-29.0	-11.3
Horizontal Lathes NC	1,691	161,715,294	-0.5	-2.2	-23.7	-22.8	-21.6	-14.6
Vertical Lathes NC	70	12,025,727	200.0	-21.6	-40.0	-37.5	-20.0	1.7
Lathes Non-NC	4,313	63,722,900	-9.0	-15.9	-47.0	-49.0	-41.2	-30.9
Milling Machines	2,886	40,425,343	45.1	28.6	-31.8	-1.1	-36.2	5.0
Machining Centers	1,725	201,686,176	16.1	54.0	-14.1	131.3	-25.2	19.8
Station Type Machines	94	28,078,217	-50.0	-88.1	100.0	-61.6	-29.8	-4.7
Other Metal Cutting	2,518	85,699,720	24.6	-50.0	4.0	-29.7	-28.0	2.3
Punching & Shearing Machines	914	35,745,109	-32.1	20.1	-55.2	-19.4	-45.5	-24.8
Bending & Forming Machines	1,188	42,309,221	4.0	-19.9	-28.7	-29.9	-24.7	-3.7
Presses	1,429	43,432,455	-56.5	-39.6	77.0	-60.4	-25.2	133.2
Forging Machines	507	30,654,277	-54.6	-3.8	-18.8	74.1	-16.8	4.4
Other Metal Forming	1,333	66,961,454	4.7	-10.1	-3.2	-10.9	4.1	11.0
TOTAL	485,789	1,075,534,027	-2.4	-8.0	-29.4	-2.3	-5.1	7.2

U.S. EXPORTS
Metal Cutting Machine Tools - June 91

RELEASED: August 28, 1991

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	71	5145	6	395
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	44	6281	5	606
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	10	2218	0	0
100035	Horizontal machining centers, ATC	25	9205	6	921
100045	Machining centers, n.e.c.	81	9527	13	1134
200010	Unit construction mach. (single station transfer), NC	5	2147	3	1673
200090	Unit construction mach. (single station transfer), non-NC	8	2495	2	210
300010	Multi-station transfer machines, NC	8	14559	0	0
300090	Multi-station transfer machines, non-NC	8	13350	1	766
8458110010	Horizontal lathes, multiple spindle, NC	17	2631	5	561
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	109	9185	19	1652
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	3303	1	161
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	13	2728	0	0
190030	Horizontal engine or toolroom lathes, non-NC	22	254	7	62
190050	Automatic bar and/or chucking mach., single spindle, non-NC	14	134	4	50
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	31	1720	5	230
190090	Horizontal lathes, n.e.c., non-NC	145	4034	29	1798
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	261	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	20	1403	2	108
991050	Vertical turret lathes, non-NC	26	401	2	30
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	37	1478	2	93
8459100000	Way-type unit head machines	1	38	0	0
210080	Other drilling machines, NC	101	7552	18	1302
290040	Drilling machines, multiple spindle, non-NC	0	0	0	0
290050	Drilling machines, radial, non-NC	13	246	0	0
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	17	609	3	23
290090	Drilling machines, n.e.c., non-NC	500	3793	161	771
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	1	394	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	4	2971	0	0
310070	Boring-milling machines, n.e.c., NC	14	960	1	42
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	2	113	1	80
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	10	252	6	115
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	24	1161	12	773
400070	Boring machines, n.e.c., NC	1	148	0	0
400080	Boring machines, n.e.c., non-NC	15	1805	9	1447
510080	Milling machines, knee type, NC	12	984	1	51
590030	Milling machines, knee type, non-NC	62	2350	9	261
610080	Milling machines, excluding knee type, n.e.c., NC	41	15668	11	5143
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070	Milling machines, bed type, non-NC	1	37	0	0
690090	Milling machines, n.e.c., non-NC	153	3888	52	1435
700020	Threading or tapping machines, n.e.c., NC	45	1969	5	120
700080	Threading or tapping machines, n.e.c., non-NC	138	5068	25	1890
8460110080	Flat surface grinding machines, NC	22	2986	7	1099
190010	Flat surface grinding mach., recip.-table type, non-NC	46	676	26	440
190050	Flat surface grinding machines, n.e.c., non-NC	21	2494	13	1506
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	76	24934	15	3632
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	17	2798	9	1391
290030	Grinding machines, internal cylindrical, non-NC	9	346	2	109
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	174	5877	29	901
310080	Sharpening machines (tool & cutter grinding), NC	15	1315	2	100
390050	Sharpening machines (tool & cutter grinding), non-NC	516	4688	105	681
400060	Honing or lapping machines, NC	1	50	1	50
400080	Honing or lapping machines, non-NC	297	3940	76	783
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	3	77	0	0
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	582	7784	105	1908
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	87	2581	8	584
200010	Shaping or slotting machines, NC	9	1050	6	827
200090	Shaping or slotting machines, non-NC	25	667	7	237
300060	Broaching machines, NC	2	338	0	0
300080	Broaching machines, non-NC	25	976	0	0
401050	Gear hobbers	40	3188	12	1235
401070	Gear shapers	5	602	2	93
401090	Gear cutting machines, n.e.c.	66	29847	24	9474
405060	Gear grinding or finishing machines	45	5258	4	56
500050	Sawing or cutting-off machines, NC	40	2385	4	384
500090	Sawing or cutting-off machines, non-NC	841	10251	124	1642
9000000001	Metal cutting machine tools, n.e.c.	420	14918	88	3051
9800000001	Used or rebuilt machine tools	2698	31332	381	5094
9900000001	Machine tools valued at less than $3,025	21666	12611	4563	2478
	Cutting Total			6039	61661
	Y-T-D Cutting Total	29618	316437		
	NC Y-T-D Cutting Total*	930	140142		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - June 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	173
8457100015	0	0	0	0	1	167	0	0	1	183
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	6	921
100045	2	170	0	0	0	0	0	0	3	382
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	1	82
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	4	50
190070	0	0	0	0	0	0	0	0	1	87
190090	0	0	0	0	0	0	0	0	2	152
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	19	0	0
995090	0	0	0	0	0	0	0	0	1	53
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	2	13
290090	0	0	0	0	0	0	0	0	103	469
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	1	80
390050	0	0	0	0	0	0	0	0	3	97
400040	0	0	0	0	0	0	0	0	0	0
400050	1	14	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	2	570
510080	0	0	0	0	0	0	0	0	0	0
590030	1	19	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	1	900	6	1432
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	5	86
700020	0	0	0	0	1	22	0	0	2	66
700080	0	0	0	0	0	0	0	0	1	11
8460110080	0	0	0	0	0	0	0	0	2	906
190010	0	0	1	138	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	2	117
210080	0	0	0	0	0	0	0	0	1	292
290010	0	0	0	0	0	0	5	771	3	170
290030	0	0	0	0	0	0	1	65	0	0
290050	0	0	0	0	0	0	0	0	2	11
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	7	34
400060	0	0	0	0	0	0	1	50	0	0
400080	0	0	0	0	0	0	0	0	2	18
900060	0	0	0	0	0	0	0	0	0	0
900080	2	12	1	7	0	0	0	0	26	237
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	5	50
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	9	480	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	1	14
500050	0	0	0	0	0	0	0	0	3	218
500090	1	11	0	0	0	0	0	0	10	72
9000000001	0	0	0	0	0	0	3	35	7	39
9800000001	13	352	0	0	0	0	0	0	77	801
9900000001	148	100	0	0	0	0	2	3	262	270
Month Tot	168	677	2	145	11	669	14	1841	556	8154
Y-T-D Tot	483	2701	53	638	662	6242	256	6542	2972	42660
NC YTD Tot*	5	1124	0	0	38	4115	27	4098	157	26123

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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	4	222	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	2	210	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	3	341	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	3	83	0	0
190090	0	0	1	134	7	23	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	40	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	9	907	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	138	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	20	238	0	0	0	0
190050	3	700	0	0	0	0	0	0	0	0
210080	0	0	0	0	2	665	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	44	0	0	0	0
290050	0	0	0	0	0	0	12	417	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	9	57	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	3	26	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	6	40	7	629	1	9	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	8	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	1	284	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	4	919	2	869	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	24	0	0	4	41	0	0	0	0
9000000001	1	353	0	0	0	0	0	0	0	0
9800000001	0	0	2	20	9	78	1	10	0	0
9900000001	18	19	116	85	407	150	3	5	0	0
Month Tot	24	1135	131	646	488	4613	22	1393	0	0
Y-T-D Tot	489	14539	907	10354	2111	37703	335	7094	23	1294
NC YTD Tot*	28	9646	29	6443	147	24488	4	1614	1	31

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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	1	82	0	0	2	174	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	6	426
200010	0	0	0	0	0	0	0	0	3	1673
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	4	479
110030	0	0	5	599	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	6	46
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	60	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	11	1436
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	2	108
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	5	129	1	57
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	47	11	49	39	175	4	15
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	4	0	0	2	14
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	3	458	0	0	0	0	0	0	4	420
510080	0	0	0	0	0	0	0	0	1	51
590030	1	25	2	37	0	0	0	0	0	0
610080	0	0	0	0	2	2707	0	0	2	104
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	21	38	960	0	0	4	24
700020	0	0	0	0	0	0	0	0	2	33
700080	0	0	0	0	1	80	0	0	11	55
8460110080	0	0	1	73	0	0	0	0	4	120
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	6	978	4	803	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	10	185
310080	0	0	0	0	2	100	0	0	0	0
390050	0	0	0	0	40	258	0	0	44	298
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	63	670	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	25	2	337	12	141	0	0	8	91
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	3	497	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	1	442	0	0	0	0	1	30
401070	0	0	0	0	0	0	0	0	0	0
401090	1	207	14	6713	0	0	0	0	2	161
405060	0	0	0	0	0	0	0	0	2	17
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	28	264	6	107	0	0	9	143
9000000001	3	91	7	417	13	158	0	0	15	86
9800000001	1	3	6	231	1	39	0	0	176	1622
9900000001	80	112	1072	260	291	151	9	6	674	525
Month Tot	92	1003	1150	10975	487	6401	53	310	1008	8218
Y-T-D Tot	645	7507	3765	34058	1925	22588	104	1636	4842	29157
NC YTD Tot*	10	3532	77	8631	35	8425	5	129	113	11535

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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	210
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	1	10	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	2	94	0	0	1	17	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	15
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	5	64
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	165	0	0	1	98	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	4	27	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	6	51	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	6	1	10	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	4	513	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	4	53	3	91	0	0	0	0	3	36
9000000001	0	0	16	671	0	0	12	141	5	990
9800000001	15	20	9	653	0	0	9	121	1	238
9900000001	81	12	305	81	67	10	26	19	11	13
Month Tot	106	136	342	1799	68	20	53	909	29	1566
Y-T-D Tot	415	3150	1564	4668	173	1009	609	3504	732	6008
NC YTD Tot*	5	1129	15	1164	1	27	16	2225	16	2073

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	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	1	57	0	0	0	0	1	98
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	766	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	11	713	0	0	0	0	0	0
110050	0	0	1	161	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	16	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	4	16	1	10	0	0	2	24	1	4
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	1	12	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	3	16
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	42
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	11	759
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	37	0	0	0	0	1	31
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	3	328
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	5	606	6	1002
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	8	589	0	0	0	0	0	0
210080	0	0	2	893	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	1	450
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	18	1	7
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	8
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	10	0	0	0	0	1	8
900060	0	0	0	0	0	0	0	0	0	0
900080	2	31	13	116	0	0	12	126	9	90
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	4	80	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	2	315
200090	0	0	0	0	0	0	0	0	2	187
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	2	93
401090	0	0	0	0	1	606	0	0	0	0
405060	0	0	0	0	0	0	1	26	0	0
500050	0	0	1	167	0	0	0	0	0	0
500090	0	0	32	519	0	0	0	0	23	282
9000000001	0	0	1	5	0	0	2	29	3	36
9800000001	0	0	22	264	0	0	3	18	36	625
9900000001	152	7	242	134	0	0	29	29	568	489
Month Tot	158	54	343	3882	2	1373	56	874	676	4870
Y-T-D Tot	495	1637	2163	15650	152	16569	488	6236	3255	33294
NC YTD Tot*	13	800	96	9305	4	324	17	1724	71	11436

Please see notes on last page of the metal forming section.

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RELEASED: August 28, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	164	3804	13	120
8462100030	Headers and upsetters, including cold headers	25	8671	10	3293
100050	Forging or die stamping machines, and hammers, n.e.c.	117	14039	30	2096
210080	Bending, folding, straight. or flat. mach., incl presses, NC	137	14899	33	2034
290030	Press brakes, non-NC	64	2452	11	347
290040	Bending rolls, non-NC	35	962	3	90
290050	Bending, folding, straight., or flat., n.e.c., non-NC	586	19354	210	6597
310080	Shearing machines, NC	54	4435	12	557
390050	Shearing machines, non-NC	149	4169	18	618
410080	Punching or notching mach., incl. comb. punch & shear, NC	62	10011	10	1352
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	404	9791	89	1284
910060	Hydraulic presses, NC	12	476	1	12
910090	Hydraulic presses, non-NC	293	6407	43	1003
990030	Presses, n.e.c., NC	120	5706	47	1684
990040	Presses, mechanical, non-NC	103	9074	22	1078
990060	Presses, n.e.c., non-NC	463	16252	97	2776
8463100080	Draw benches for bars, tubes, profiles, wire or the like	140	5499	44	2534
200080	Thread rolling machines	23	713	2	115
300080	Machines for working wire	380	11832	63	1877
900080	Metal forming machine tools, n.e.c.	667	50568	112	6745
9800000002	Used or rebuilt machine tools	1878	29473	468	6560
9900000002	Machine tools valued at less than $3,025	8175	6437	1304	936
	Forming Total			2642	43707
	Y-T-D Forming Total	14051	235021		
	NC Y-T-D Forming Total	385	35527		
	Cutting and Forming Totals:				
	Monthly Total			8681	105368
	Y-T-D Total	43669	551459		
	NC Y-T-D Total*	1315	175669		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	335172	0	59160
2000000000	Parts for working rubber or plastics - heading 8477	0	131091	0	17504
2710003070	Quenching or cutting oils	0	3194	0	461
8428900010	Industrial robots for lifting, handling, loading or unload	352	3457	116	1816
8431390090	Parts industrial robots, handling and loading - heading 8428	0	51432	0	9723
8456100000	Laser, light or photon beam for working any material	326	20092	51	2975
200000	Ultrasonic process for working any material	38	910	6	180
8477106010	Injection molding mach., for rubber or oth. thermosetting	96	7085	14	1085
106070	Injection molding machines, for thermoplastics	195	23804	31	3589
200005	Extruders; rubber or other thermosetting mat., single screw	66	5124	21	1105
200015	Extruders; rubber or thermosetting, other incl. multi. screw	85	7403	13	1245
200030	Extruders; thermoplastics, single screw	245	10678	56	2026
200060	Extruders; thermoplastics, other incl. multi. screw	56	6091	6	165
300000	Blow molding machines	302	18691	33	1766
400000	Vacuum-molding and other thermoforming machines	601	4430	175	1657
510010	Machines for molding or retreading pneumatic tires	1736	8433	152	1810
510090	Machines for molding or otherwise forming inner tubes	325	8273	50	1344
590000	Machines for molding or otherwise forming n.e.c.	882	14248	71	1898
800000	Machines for working rubber or plastics n.e.c.	2459	36664	547	5931
8479899040	Industrial robots, n.e.c.	2767	32329	510	6072
908040	Industrial robot parts	0	18464	0	3370
8537100030	Numerical controls for controlling machine tools	831	11922	166	2350
9024100000	Machines and appliances for testing metals	0	34353	0	5069
9031100000	Machines for balancing mechanical parts	0	13454	0	3848
300000	Profile projectors	0	2305	0	264
9032810040	Industrial process control instr., hydraulic or pneumatic	490731	24755	63684	3535

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	2	1261	0	0
100050	0	0	0	0	0	0	0	0	6	497
210080	1	33	0	0	1	48	0	0	5	273
290030	0	0	0	0	0	0	0	0	3	52
290040	0	0	0	0	0	0	0	0	0	0
290050	31	450	0	0	0	0	0	0	23	342
310080	0	0	0	0	0	0	0	0	5	264
390050	0	0	0	0	0	0	0	0	4	66
410080	0	0	0	0	0	0	0	0	1	139
490050	1	28	0	0	0	0	0	0	31	388
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	1	93
990030	0	0	0	0	19	506	0	0	4	277
990040	0	0	0	0	0	0	0	0	0	0
990060	1	27	0	0	0	0	0	0	3	200
8463100080	0	0	0	0	0	0	0	0	1	42
200080	0	0	0	0	0	0	0	0	1	88
300080	0	0	0	0	0	0	0	0	4	75
900080	0	0	0	0	17	433	1	10	12	104
9800000002	1	18	0	0	1	18	0	0	41	1606
9900000002	83	69	0	0	18	5	0	0	196	175
Month Tot	118	625	0	0	56	1010	3	1271	341	4680
Y-T-D Tot	262	1998	8	188	232	1804	111	4023	1733	26427
NC YTD Tot	2	151	0	0	20	554	5	585	51	6537
C&F Month	286	1302	2	145	67	1679	17	3112	897	12834
C&F Y-T-D	745	4699	61	826	894	8046	367	10565	4705	69087
C&F NC YTD*	7	1275	0	0	58	4669	32	4683	208	32659

Other Manufacturing Technology

1000000000	0	856	0	106	0	1424	0	746	0	9682
2000000000	0	440	0	62	0	611	0	235	0	6049
2710003070	0	10	0	0	0	11	0	0	0	142
8428900010	0	0	0	0	0	0	0	0	5	54
8431390090	0	715	0	18	0	11	0	38	0	858
8456100000	0	0	0	0	0	0	0	0	2	123
200000	0	0	0	0	0	0	0	0	1	12
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	8	1902
200005	0	0	0	0	0	0	0	0	4	208
200015	0	0	0	0	0	0	0	0	8	1131
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	1	16
300000	0	0	0	0	0	0	0	0	1	429
400000	0	0	0	0	0	0	0	0	2	524
510010	0	0	0	0	0	0	2	50	10	251
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	0	0	0	0	14	268
800000	0	0	0	0	0	0	0	0	298	2364
8479899040	0	0	0	0	1	10	0	0	263	2114
908040	0	49	0	0	0	82	0	0	0	1844
8537100030	2	19	0	0	0	0	7	92	8	96
9024100000	0	13	0	40	0	31	0	48	0	300
9031100000	0	0	0	0	0	0	0	0	0	1767
300000	0	0	0	0	0	0	0	0	0	19
9032810040	471	36	186	9	70	8	0	0	2939	417

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	1	679	0	0	0	0	0	0
100050	0	0	16	1057	0	0	0	0	0	0
210080	0	0	1	573	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	8	178	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	3	455	0	0	0	0
490050	0	0	1	10	5	107	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	5	210	2	62	0	0	1	11	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	10	442	0	0	0	0
990060	0	0	0	0	2	430	0	0	0	0
8463100080	0	0	1	10	20	150	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	11	235	3	47	0	0	0	0
900080	0	0	5	1101	4	258	7	98	2	47
9800000002	158	1126	4	26	2	195	0	0	5	61
9900000002	0	0	49	40	82	71	1	3	0	0
Month Tot	163	1336	91	3792	139	2334	9	112	7	108
Y-T-D Tot	279	17332	566	14008	984	24757	59	790	95	3438
NC YTD Tot	15	1430	31	2334	28	3276	1	140	0	0
C&F Month	187	2472	222	4438	627	6947	31	1505	7	108
C&F Y-T-D	768	31872	1473	24361	3095	62460	394	7883	118	4732
C&F NC YTD*	43	11076	60	8777	175	27764	5	1754	1	31

Other Manufacturing Technology

1000000000	0	440	0	4017	0	5621	0	232	0	593
2000000000	0	51	0	291	0	866	0	156	0	111
2710003070	0	0	0	0	0	0	0	0	0	15
8428900010	19	1642	0	0	0	0	0	0	0	0
8431390090	0	8	0	165	0	199	0	0	0	436
8456100000	0	0	19	435	3	388	0	0	3	83
200000	0	0	1	80	0	0	0	0	0	0
8477106010	0	0	0	0	1	73	0	0	0	0
106070	0	0	1	93	5	423	0	0	0	0
200005	0	0	0	0	4	91	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	9	232	18	389	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	1	3	0	0	0	0
400000	1	81	14	120	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	1	205	0	0	15	5
590000	0	0	4	54	0	0	0	0	0	0
800000	0	0	2	251	3	40	0	0	0	0
8479899040	1	10	71	571	97	580	0	0	0	0
908040	0	0	0	111	0	92	0	0	0	0
8537100030	0	0	12	202	17	242	0	0	0	0
9024100000	0	20	0	50	0	419	0	71	0	0
9031100000	0	0	0	0	0	3	0	0	0	0
300000	0	0	0	69	0	20	0	0	0	0
9032810040	1	5	2937	157	5970	354	74	4	0	0

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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	3	27
8462100030	3	221	4	1132	0	0	0	0	0	0
100050	1	71	0	0	2	93	0	0	1	45
210080	0	0	1	58	0	0	0	0	5	238
290030	0	0	1	15	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	8
290050	2	415	1	16	1	268	0	0	8	1837
310080	0	0	3	162	0	0	0	0	1	39
390050	4	32	1	33	0	0	0	0	9	488
410080	0	0	0	0	0	0	0	0	1	280
490050	2	40	0	0	5	48	0	0	12	190
910060	0	0	0	0	0	0	0	0	1	12
910090	0	0	0	0	2	53	0	0	23	275
990030	0	0	1	52	19	608	0	0	0	0
990040	0	0	0	0	0	0	0	0	10	425
990060	0	0	5	131	1	13	0	0	67	1028
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	1	27	0	0	0	0	0	0
300080	1	13	2	26	6	118	0	0	12	69
900080	0	0	13	268	2	401	0	0	13	342
9800000002	3	156	3	674	4	71	0	0	172	1427
9900000002	66	22	69	48	14	12	26	3	139	148
Month Tot	82	969	105	2641	56	1684	26	3	478	6878
Y-T-D Tot	291	4841	1003	20040	502	11797	93	814	2857	29376
NC YTD Tot	3	322	30	3815	30	2484	1	29	43	4362
C&F Month	174	1972	1255	13616	543	8085	79	313	1486	15097
C&F Y-T-D	936	12349	4768	54097	2427	34385	197	2449	7699	58533
C&F NC YTD*	13	3853	107	12446	65	10908	6	158	156	15897

Other Manufacturing Technology

1000000000	0	1201	0	5121	0	2633	0	210	0	4350
2000000000	0	158	0	1297	0	256	0	120	0	1380
2710003070	0	7	0	43	0	7	0	4	0	84
8428900010	0	0	3	55	0	0	0	0	0	0
8431390090	0	9	0	600	0	742	0	3	0	386
8456100000	4	79	2	706	0	0	0	0	1	198
200000	1	33	1	14	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	10	603
106070	0	0	0	0	0	0	0	0	11	706
200005	0	0	0	0	0	0	0	0	13	806
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	3	69	8	393	0	0	3	573
200060	0	0	0	0	0	0	0	0	2	57
300000	0	0	0	0	0	0	0	0	1	47
400000	0	0	3	13	95	816	0	0	3	54
510010	7	238	21	412	0	0	0	0	14	294
510090	13	318	0	0	4	104	0	0	1	12
590000	5	75	4	84	0	0	2	37	14	364
800000	0	0	42	74	4	6	0	0	97	1227
8479899040	2	305	17	133	0	0	0	0	11	120
908040	0	8	0	272	0	8	0	0	0	275
8537100030	4	46	8	104	9	121	1	19	1	11
9024100000	0	103	0	1047	0	714	0	0	0	217
9031100000	0	6	0	36	0	980	0	0	0	86
300000	0	14	0	20	0	5	0	0	0	0
9032810040	3332	264	544	263	427	158	239	12	575	64

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	9	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	23
290050	1	4	1	6	0	0	2	46	1	46
310080	2	59	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	1	60	0	0	0	0	1	144
490050	0	0	1	45	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	4	142	0	0	1	8
990030	1	47	0	0	0	0	0	0	0	0
990040	2	211	0	0	0	0	0	0	0	0
990060	0	0	1	18	0	0	0	0	0	0
8463100080	0	0	0	0	18	2286	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	4	196	2	45	0	0
900080	0	0	0	0	0	0	0	0	4	289
9800000002	0	0	9	108	0	0	3	9	0	0
9900000002	38	20	17	15	0	0	13	11	0	0
Month Tot	46	351	30	252	26	2623	20	110	8	509
Y-T-D Tot	659	6187	220	3249	70	3362	208	1298	189	4657
NC YTD Tot	14	1432	11	751	1	55	3	181	6	564
C&F Month	152	487	372	2051	94	2643	73	1019	37	2075
C&F Y-T-D	1074	9337	1784	7917	243	4371	817	4802	921	10666
C&F NC YTD*	19	2562	26	1916	2	82	19	2406	22	2638

Other Manufacturing Technology

1000000000	0	1177	0	1526	0	1185	0	391	0	1053
2000000000	0	182	0	248	0	90	0	279	0	72
2710003070	0	0	0	3	0	0	0	0	0	41
8428900010	0	0	7	25	0	0	82	41	0	0
8431390090	0	90	0	507	0	13	0	138	0	4
8456100000	2	25	1	19	0	0	0	0	2	194
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	2	222	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	39	12
510010	26	154	0	0	2	38	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	4	13	0	0	0	0
800000	0	0	19	24	7	124	1	17	5	771
8479899040	16	98	0	0	0	0	4	387	0	0
908040	0	4	0	0	0	5	0	142	0	133
8537100030	0	0	18	259	2	28	0	0	3	25
9024100000	0	48	0	197	0	326	0	51	0	48
9031100000	0	0	0	51	0	654	0	0	0	28
300000	0	0	0	9	0	0	0	0	0	0
9032810040	5902	387	2765	155	3096	164	171	9	75	7

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 91

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	5	22	0	0	0	0	1	7	2	55
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	2	200	0	0	1	64	1	69
210080	2	97	2	60	0	0	0	0	15	655
290030	0	0	7	280	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	59
290050	0	0	123	1717	0	0	0	0	8	1271
310080	0	0	1	32	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	2	160	0	0	0	0	1	115
490050	0	0	19	184	0	0	0	0	12	244
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	4	149
990030	0	0	3	194	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	1	29	3	613	0	0	1	18	12	269
8463100080	0	0	4	46	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	4	810	0	0	1	26	2	51	11	168
900080	16	1885	9	234	0	0	0	0	7	1275
9800000002	0	0	7	96	0	0	6	349	49	620
9900000002	0	0	84	68	0	0	120	17	289	210
Month Tot	28	2842	266	3884	1	26	131	508	412	5157
Y-T-D Tot	184	5109	971	14526	1	26	221	1325	2253	33651
NC YTD Tot	7	817	45	1976	0	0	1	41	37	3692
C&F Month	186	2896	609	7766	3	1398	187	1382	1088	10027
C&F Y-T-D	679	6746	3134	30176	153	16595	709	7561	5508	66945
C&F NC YTD*	20	1617	141	11282	4	324	18	1764	108	15129

Other Manufacturing Technology

1000000000	0	457	0	5454	0	9	0	894	0	9781
2000000000	0	126	0	826	0	0	0	881	0	2718
2710003070	0	6	0	0	0	0	0	0	0	87
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	1446	0	121	0	0	0	686	0	2531
8456100000	0	0	4	151	0	0	0	0	8	574
200000	0	0	2	40	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	3	409
106070	0	0	0	0	0	0	0	0	4	242
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	5	115
200030	0	0	4	106	0	0	0	0	11	264
200060	1	15	1	15	0	0	0	0	1	63
300000	1	248	8	603	0	0	0	0	21	435
400000	0	0	0	0	0	0	0	0	18	37
510010	0	0	1	80	0	0	0	0	69	292
510090	0	0	0	0	0	0	1	119	15	581
590000	0	0	17	932	0	0	3	5	4	66
800000	0	0	18	275	0	0	0	0	51	761
8479899040	0	0	18	291	0	0	1	4	8	1449
908040	0	0	0	104	0	0	0	0	0	239
8537100030	0	0	47	671	0	0	1	11	26	403
9024100000	0	0	0	454	0	0	0	5	0	867
9031100000	0	19	0	33	0	0	0	22	0	161
300000	0	0	0	106	0	0	0	0	0	0
9032810040	18706	56	4661	421	0	0	698	59	9845	527

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	2	315	0	0	2	315
Czechoslovakia	0	0	0	0	0	0
Denmark	6	84	12	11	18	94
Finland	2	3	23	119	25	122
Greece	0	0	0	0	0	0
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	5	33	17	1059	22	1091
Luxembourg	0	0	0	0	0	0
Norway	20	150	6	5	26	155
Poland	0	0	0	0	0	0
Portugal	0	0	0	0	0	0
Romania	0	0	0	0	0	0
Sweden	40	138	16	13	56	151
Turkey	3	1442	9	489	12	1931
Yugoslavia	0	0	0	0	0	0
Other Europe	0	0	0	0	0	0
TOTAL	1374	15557	810	16797	2184	32354
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	13	4	5	11	18	15
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	146	13	8	106	154	119
Dominican Rep	0	0	0	0	0	0
El Salvador	1	8	0	0	1	8
Guatemala	2	16	10	33	12	49
Haiti	0	0	0	0	0	0
Honduras	15	10	0	0	15	10
Jamaica	0	0	1	143	1	143
Panama	0	0	0	0	0	0
Trinidad	1	22	0	0	1	22
Oth N & C Am.	1	4	0	0	1	4
TOTAL	1743	16450	843	11852	2586	28302
SOUTH AMERICA						
Argentina	40	3	25	21	65	25
Bolivia	0	0	0	0	0	0
Chile	34	326	28	20	62	346
Colombia	35	122	5	130	40	253
Ecuador	12	53	28	57	40	110
Paraguay	0	0	0	0	0	0
Peru	0	0	33	33	33	33
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	191	3219	253	2042	444	5261
OCEANIA						
New Zealand	1	8	8	532	9	539
Oth Oceania	2	28	5	14	7	42
TOTAL	171	713	131	1171	302	1883

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	113	312	57	136	170	448
Iran	0	0	1	76	1	76
Iraq	0	0	0	0	0	0
Israel	27	44	16	448	43	492
Jordan	1	4	0	0	1	4
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	7	17	0	0	7	17
Pakistan	0	0	0	0	0	0
Philippines	44	65	26	658	70	722
Qatar	1	6	0	0	1	6
Saudi Arabia	32	138	45	398	77	535
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	16	257	15	57	31	314
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	1	48	1	48
TOTAL	2506	24474	593	11308	3099	35782
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	17	1063	1	276	18	1339
Ethiopia	0	0	1	9	1	9
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	3	60	3	60
South Africa	37	185	7	193	44	378
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	54	1247	12	538	66	1786

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. EXPORTS

Metal Cutting Machine Tools: January 91 - June 91

RELEASED: August 28, 1991

		TOTAL UNITS	YTD $000
8456300000	Electro-discharge machines	71	5145
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	44	6281
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	10	2218
100035	Horizontal machining centers, ATC	25	9205
100045	Machining centers, n.e.c.	81	9527
200010	Unit construction mach. (single station transfer), NC	5	2147
200090	Unit construction mach. (single station transfer), non-NC	8	2495
300010	Multi-station transfer machines, NC	8	14559
300090	Multi-station transfer machines, non-NC	8	13350
8458110010	Horizontal lathes, multiple spindle, NC	17	2631
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	109	9185
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	3303
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	13	2728
190030	Horizontal engine or toolroom lathes, non-NC	22	254
190050	Automatic bar and/or chucking mach., single spindle, non-NC	14	134
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	31	1720
190090	Horizontal lathes, n.e.c., non-NC	145	4034
911060	Vertical turret lathes, multiple spindle, NC	0	0
911080	Vertical turret lathes, n.e.c., NC	1	261
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	20	1403
991050	Vertical turret lathes, non-NC	26	401
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	37	1478
8459100000	Way-type unit head machines	1	38
210080	Other drilling machines, NC	101	7552
290040	Drilling machines, multiple spindle, non-NC	0	0
290050	Drilling machines, radial, non-NC	13	246
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	17	509
290090	Drilling machines, n.e.c., non-NC	500	3793
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	1	394
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	4	2971
310070	Boring-milling machines, n.e.c., NC	14	960
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	2	113
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	10	252
400040	Boring machines, vertical, NC	0	0
400050	Boring machines, vertical, non-NC	24	1161
400070	Boring machines, n.e.c., NC	1	148
400080	Boring machines, n.e.c., non-NC	15	1805
510080	Milling machines, knee type, NC	12	984
590030	Milling machines, knee type, non-NC	62	2350
610080	Milling machines, excluding knee type, n.e.c., NC	41	15668
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0
690070	Milling machines, bed type, non-NC	1	37
690090	Milling machines, n.e.c., non-NC	153	3888
700020	Threading or tapping machines, n.e.c., NC	45	1969
700080	Threading or tapping machines, n.e.c., non-NC	138	5068
8460110080	Flat surface grinding machines, NC	22	2986
190010	Flat surface grinding mach., recip.-table type, non-NC	46	676
190050	Flat surface grinding machines, n.e.c., non-NC	21	2494
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	76	24934
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	17	2798
290030	Grinding machines, internal cylindrical, non-NC	9	346
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	174	5877
310080	Sharpening machines (tool & cutter grinding), NC	15	1315
390050	Sharpening machines (tool & cutter grinding), non-NC	516	4688
400060	Honing or lapping machines, NC	1	50
400080	Honing or lapping machines, non-NC	297	3940
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	3	77
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	582	7784
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	87	2581
200010	Shaping or slotting machines, NC	9	1050
200090	Shaping or slotting machines, non-NC	25	667
300060	Broaching machines, NC	2	338
300080	Broaching machines, non-NC	25	976
401050	Gear hobbers	40	3188
401070	Gear shapers	5	602
401090	Gear cutting machines, n.e.c.	66	29847
405060	Gear grinding or finishing machines	45	5258
500050	Sawing or cutting-off machines, NC	40	2385
500090	Sawing or cutting-off machines, non-NC	841	10251
9000000001	Metal cutting machine tools, n.e.c.	420	14918
9800000001	Used or rebuilt machine tools	2698	31332
9900000001	Machine tools valued at less than $3,025	21666	12611

	Cutting Total		
Please see notes on last page	Y-T-D Cutting Total	29618	316437
of the metal forming section.	NC Y-T-D Cutting Total*	930	140142

U.S. EXPORTS
Metal Cutting Machine Tools: January 91 - June 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	9	753
8457100015	0	0	0	0	13	1942	0	0	10	1435
100025	0	0	0	0	1	132	0	0	3	449
100035	0	0	0	0	3	842	0	0	10	2382
100045	2	170	0	0	0	0	2	114	21	1871
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	2099
300090	0	0	0	0	0	0	0	0	1	98
8458110010	0	0	0	0	0	0	1	332	5	479
110030	1	49	0	0	9	836	0	40	9	836
110050	1	399	0	0	1	118	0	0	4	423
110090	0	0	0	0	0	0	0	0	5	1160
190030	0	0	0	0	0	0	0	0	1	18
190050	0	0	0	0	0	0	0	0	12	113
190070	0	0	0	0	0	0	0	0	2	192
190090	1	8	0	0	0	0	7	90	18	594
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	214
991050	0	0	0	0	0	0	1	19	1	10
995090	0	0	0	0	0	0	0	0	8	304
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	3	67	0	0	6	369
290040	0	0	0	0	0	0	0	0	0	0
290050	1	10	0	0	0	0	0	0	7	56
290070	0	0	0	0	0	0	0	0	8	39
290090	1	5	0	0	1	149	1	61	201	976
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	391
310070	0	0	0	0	0	0	0	0	1	266
390040	0	0	0	0	0	0	0	0	1	80
390050	0	0	0	0	0	0	0	0	3	97
400040	0	0	0	0	0	0	0	0	0	0
400050	1	14	0	0	1	25	0	0	2	72
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	3	588
510080	0	0	0	0	0	0	0	0	4	607
590030	5	132	0	0	0	0	0	0	8	220
610080	0	0	0	0	0	0	1	900	21	4649
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	1	37
690090	1	12	0	0	1	26	0	0	14	605
700020	0	0	0	0	5	130	0	0	2	66
700080	5	200	0	0	5	387	2	115	19	298
8460110080	0	0	0	0	0	0	1	420	2	906
190010	0	0	1	138	0	0	1	15	1	11
190050	0	0	0	0	0	0	1	132	5	419
210080	0	0	0	0	0	0	1	333	7	4074
290010	0	0	0	0	0	0	5	771	5	456
290030	0	0	0	0	0	0	1	65	0	0
290050	0	0	0	0	0	0	5	407	20	355
310080	0	0	0	0	0	0	4	548	2	317
390050	1	8	0	0	0	0	22	196	62	589
400060	0	0	0	0	0	0	1	50	0	0
400080	5	57	1	16	4	41	0	0	11	134
900060	0	0	0	0	0	0	0	0	0	0
900080	7	60	3	40	4	49	3	19	124	1348
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	3	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	1	109
200090	0	0	0	0	0	0	0	0	10	142
300060	0	0	0	0	0	0	0	0	2	338
300080	0	0	0	0	0	0	0	0	7	160
401050	0	0	0	0	17	930	0	0	1	30
401070	0	0	1	409	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	1	8	0	0	0	0	0	0	15	1061
500050	0	0	0	0	3	49	0	0	21	1497
500090	3	30	0	0	1	9	0	0	113	1059
9000000001	1	506	0	0	0	0	19	1396	78	1111
9800000001	26	699	2	9	4	19	27	316	399	3993
9900000001	419	333	45	26	586	491	150	205	1663	1704
Tot	483	2701	53	638	662	6242	256	6542	2972	42660
Y-T-D Tot	483	2701	53	638	662	6242	256	6542	2972	42660
MC YTD Tot*	5	1124	0	0	38	4115	27	4098	157	26123

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools: January 91 - June 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	2	413	0	0	49	3213	0	0	0	0
8457100015	0	0	1	380	1	143	0	0	0	0
100025	0	0	1	535	0	0	1	427	0	0
100035	1	544	0	0	1	246	0	0	0	0
100045	1	38	4	304	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	6	820	1	585	0	0
300010	1	1050	0	0	6	11410	0	0	0	0
300090	1	1038	0	0	0	0	0	0	0	0
8458110010	0	0	1	851	0	0	0	0	0	0
110030	4	428	6	659	4	316	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	3	821	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	6	165	0	0
190090	1	7	1	134	9	44	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	40	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	35	57	4761	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	3	218	1	109	0	0	0	0
290090	0	0	7	31	0	0	68	308	1	5
310010	0	0	0	0	1	394	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	2	3466	3	787	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	15	1	200	0	0
700020	6	144	0	0	0	0	0	0	0	0
700080	0	0	0	0	4	309	0	0	0	0
8460110080	0	0	6	0	0	0	2	760	1	31
190010	0	0	0	0	20	238	0	0	0	0
190050	4	787	0	0	0	0	0	0	0	0
210080	4	1489	7	2633	5	2397	1	427	0	0
290010	0	0	2	853	0	0	0	0	0	0
290030	0	0	0	0	4	118	0	0	0	0
290050	13	377	0	0	15	466	12	417	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	5	9	57	75	489	86	559	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	11	238	15	167	8	164	40	423	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	3	21	30	851	50	1096	3	26	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	5	30	0	0	0	0
200010	0	0	0	0	1	15	0	0	0	0
200090	0	0	0	0	1	150	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	12	329	1	185	0	0	2	177	0	0
401050	0	0	0	0	15	1035	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	1	715	2	240	9	2992	4	2289	0	0
405060	0	0	0	0	9	1933	0	0	0	0
500050	0	0	0	0	2	330	0	0	0	0
500090	15	269	3	32	49	553	1	5	2	21
9000000001	6	1271	5	260	21	1270	6	99	0	0
9800000001	78	1023	48	653	229	1847	18	169	7	1228
9900000001	318	26	757	490	1453	802	83	58	12	10
Tot	489	14539	907	10354	2111	37703	335	7094	23	1294
Y-T-D Tot	489	14539	907	10354	2111	37703	335	7094	23	1294
NC YTD Tot*	28	9646	29	6443	147	24488	4	1614	1	31

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools: January 91 - June 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	38	1	51	0	0	5	359
8457100015	3	320	0	0	4	454	0	0	2	170
100025	0	0	0	0	1	116	0	0	1	240
100035	0	0	2	440	0	0	0	0	0	0
100045	1	35	1	290	1	655	0	0	34	3865
200010	0	0	1	335	0	0	0	0	4	1812
200090	0	0	1	1090	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	715	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	6	645
110030	1	75	13	1025	3	220	0	0	6	661
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	4	562
190030	0	0	3	84	0	0	0	0	13	109
190050	0	0	1	16	0	0	0	0	1	5
190070	0	0	11	510	5	311	0	0	1	250
190090	0	0	2	8	4	32	0	0	62	2457
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	1	261
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	13	893
991050	0	0	0	0	0	0	0	0	14	229
995090	0	0	0	0	0	0	0	0	22	869
8459100000	0	0	0	0	0	0	0	0	1	38
210080	0	0	6	517	1	84	5	129	5	430
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	8
290070	0	0	0	0	0	0	0	0	1	16
290090	4	17	3	53	13	57	39	175	80	558
310010	0	0	0	0	0	0	0	0	0	0
310040	2	2450	0	0	0	0	0	0	1	130
310070	0	0	0	0	0	0	0	0	4	261
390040	0	0	0	0	1	33	0	0	0	0
390050	0	0	0	0	1	4	0	0	5	122
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	2	46	0	0	0	0	1	13
400070	0	0	0	0	0	0	0	0	0	0
400080	3	458	0	0	0	0	0	0	8	677
510080	0	0	0	0	1	74	0	0	4	219
590030	1	25	4	165	1	20	1	45	5	222
610080	0	0	0	0	2	2707	0	0	4	228
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	8	173	62	1670	0	0	43	432
700020	0	0	2	312	1	215	0	0	5	69
700080	0	0	0	0	1	80	0	0	29	162
8460110080	0	0	3	424	4	139	0	0	6	197
190010	0	0	1	22	0	0	0	0	3	29
190050	0	0	1	231	1	148	0	0	1	88
210080	2	421	18	3969	13	3547	0	0	3	433
290010	0	0	0	0	0	0	0	0	2	130
290030	0	0	0	0	0	0	0	0	4	164
290050	0	0	7	301	11	522	0	0	36	463
310080	0	0	1	162	3	164	0	0	2	42
390050	0	0	69	558	64	414	7	47	56	403
400060	0	0	0	0	0	0	0	0	0	0
400080	10	142	15	301	113	1254	2	350	2	46
900060	0	0	2	53	0	0	0	0	1	24
900080	10	102	43	901	55	617	0	0	56	527
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	7	1165	3	60	0	0	7	106
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	28
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	1	10	0	0	1	11
401050	0	0	1	442	0	0	0	0	5	153
401070	0	0	0	0	0	0	0	0	0	0
401090	4	2256	26	11841	6	3548	0	0	3	231
405060	1	40	3	1797	1	23	4	178	3	30
500050	0	0	0	0	0	0	0	0	1	22
500090	5	129	177	2078	30	486	3	49	55	628
9000000001	5	328	32	1705	18	1474	0	0	45	409
9800000001	63	437	35	1843	78	2064	2	616	894	6138
9900000001	530	271	3263	1065	1420	622	41	48	3267	1880
Tot	645	7507	3765	34058	1925	22588	104	1636	4842	29157
Y-T-D Tot	645	7507	3765	34058	1925	22588	104	1636	4842	29157
NC YTD Tot*	10	3532	77	8631	35	8425	5	129	113	11535

Please see notes on last page of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools: January 91 - June 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	68
8457100015	0	0	4	529	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	464	0	0	0	0	0	0	1	916
100045	1	310	0	0	0	0	0	0	1	47
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	63	0	0	0	0	2	172	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	6	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	35
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	53	0	0	0	0	0	0	6	427
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	3	217	1	10	0	0	0	0	0	0
290090	32	142	0	0	0	0	0	0	3	1045
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	15	503	1	29	2	41	1	174
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	35	1	15
700020	0	0	0	0	0	0	0	0	3	503
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	1	27	0	0	1	56
190010	0	0	0	0	0	0	0	0	5	64
190050	0	0	0	0	0	0	0	0	0	0
210080	1	240	0	0	0	0	4	1395	0	0
290010	1	100	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	5	543	1	165	6	200	1	98	2	336
310080	0	0	1	26	0	0	0	0	2	56
390050	2	9	6	40	0	0	2	12	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	9	67	0	0	4	20	6	97	2	27
900060	0	0	0	0	0	0	0	0	0	0
900080	10	134	6	47	4	36	13	120	8	200
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	7	2	16	0	0	0	0	2	13
200010	0	0	0	0	0	0	4	513	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	105	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	1	23	5	51
500050	0	0	0	0	0	0	5	128	0	0
500090	66	437	13	175	12	204	1	13	16	231
9000000001	0	0	27	1143	0	0	20	238	6	1003
9800000001	51	252	221	1396	31	440	71	414	21	449
9900000001	228	112	1266	514	114	53	474	198	643	292
Tot	415	3150	1564	4668	173	1009	609	3504	732	6008
Y-T-D Tot	415	3150	1564	4668	173	1009	609	3504	732	6008
NC YTD Tot*	5	1129	15	1164	1	27	16	2225	16	2073

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools: January 91 - June 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	97	0	0	0	0	0	0
8457100015	0	0	6	908	0	0	0	0	0	0
100025	0	0	1	112	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	5	339	0	0	2	175	1	98
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	4	11239	0	0	0	0
8458110010	0	0	0	0	4	324	0	0	0	0
110030	1	102	40	2751	0	0	3	266	0	0
110050	0	0	8	1709	0	0	6	654	0	0
110090	0	0	0	0	0	0	1	185	0	0
190030	0	0	3	35	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	6	293	0	0	0	0	0	0
190090	4	16	2	20	0	0	4	194	1	4
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	9	133	0	0	0	0	0	0
995090	0	0	0	0	0	0	2	84	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	5	283	1	43	0	0	3	206	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	104	0	0	1	58	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	2	11	0	0	0	0	3	16
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	1	90	1	42
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	11	759
400070	0	0	0	0	0	0	1	148	0	0
400080	0	0	0	0	0	0	1	82	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	2	77	0	0	0	0	1	31
610080	0	0	1	41	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	2	38	0	0	0	0	3	328
700020	0	0	4	100	0	0	0	0	0	0
700080	0	0	1	10	0	0	38	2343	6	1002
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	8	689	0	0	0	0	0	0
210080	0	0	6	2446	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	1	450
290030	0	0	0	0	0	0	0	0	0	0
290050	1	29	3	73	0	0	4	33	1	7
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	32	262	2	908	0	0	1	8
400060	0	0	0	0	0	0	0	0	0	0
400080	10	103	7	82	0	0	0	0	1	8
900060	0	0	0	0	0	0	0	0	0	0
900080	3	35	43	420	0	0	54	585	9	90
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	16	286	0	0	2	20	0	0
200010	0	0	0	0	0	0	0	0	2	315
200090	0	0	1	15	0	0	0	0	2	187
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	1	599	0	0	0	0
401070	0	0	0	0	0	0	0	0	2	93
401090	0	0	0	0	6	3381	0	40	0	0
405060	0	0	0	0	0	0	1	26	0	0
500050	2	50	4	267	0	0	0	0	0	0
500090	2	32	147	2052	0	0	10	199	23	282
9000000001	11	690	27	634	0	0	12	125	3	36
9800000001	30	217	135	965	13	39	65	413	36	625
9900000001	426	79	1639	640	122	80	277	312	568	489
Tot	495	1637	2163	15650	152	16569	488	6236	676	4870
Y-T-D Tot	495	1637	2163	15650	152	16569	488	6236	3255	33294
NC YTD Tot*	13	800	96	9305	4	324	17	1724	71	11436

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - June 91

RELEASED: August 28, 1991

Metal Forming Machine Tools		TOTAL YTD UNITS	$000
8454300010	Die casting machines	164	3804
8462100030	Headers and upsetters, including cold headers	25	8671
100050	Forging or die stamping machines, and hammers, n.e.c.	117	14039
210080	Bending, folding, straight. or flat. mach., incl presses, NC	137	14899
290030	Press brakes, non-NC	64	2452
290040	Bending rolls, non-NC	35	962
290050	Bending, folding, straight., or flat., n.e.c., non-NC	586	19354
310080	Shearing machines, NC	54	4435
390050	Shearing machines, non-NC	149	4169
410080	Punching or notching mach., incl. comb. punch & shear, NC	62	10011
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	404	9791
910060	Hydraulic presses, NC	12	476
910090	Hydraulic presses, non-NC	293	6407
990030	Presses, n.e.c., NC	120	5706
990040	Presses, mechanical, non-NC	103	9074
990060	Presses, n.e.c., non-NC	463	16252
8463100080	Draw benches for bars, tubes, profiles, wire or the like	140	5499
200080	Thread rolling machines	23	713
300080	Machines for working wire	380	11832
900080	Metal forming machine tools, n.e.c.	667	50568
9800000002	Used or rebuilt machine tools	1878	29473
9900000002	Machine tools valued at less than $3,025	8175	6437
	Forming Total		
	Y-T-D Forming Total	14051	235021
	NC Y-T-D Forming Total	385	35527
	Cutting and Forming Totals: Monthly Total		
	Y-T-D Total	43669	551459
	NC Y-T-D Total*	1315	175669

Other Manufacturing Technology		TOTAL YTD UNITS	$000
1000000000	Machine tool parts and accessories	0	335172
2000000000	Parts for working rubber or plastics - heading 8477	0	131091
2710003070	Quenching or cutting oils	0	3194
8428900010	Industrial robots for lifting, handling, loading or unload	352	3457
8431390090	Parts industrial robots, handling and loading - heading 8428	0	51432
8456100000	Laser, light or photon beam for working any material	326	20092
200000	Ultrasonic process for working any material	38	910
8477106010	Injection molding mach., for rubber or oth. thermosetting	96	7085
106070	Injection molding machines, for thermoplastics	195	23804
200005	Extruders; rubber or other thermosetting mat., single screw	66	5124
200015	Extruders; rubber or thermosetting, other incl. multi. screw	85	7403
200030	Extruders; thermoplastics, single screw	245	10678
200060	Extruders; thermoplastics, other incl. multi. screw	56	6091
300000	Blow molding machines	302	18691
400000	Vacuum-molding and other thermoforming machines	601	4430
510010	Machines for molding or retreading pneumatic tires	1736	8433
510090	Machines for molding or otherwise forming inner tubes	325	8273
590000	Machines for molding or otherwise forming n.e.c.	882	14248
800000	Machines for working rubber or plastics n.e.c.	2459	36664
8479899040	Industrial robots, n.e.c.	2767	32329
908040	Industrial robot parts	0	18464
8537100030	Numerical controls for controlling machine tools	831	11922
9024100000	Machines and appliances for testing metals	0	34353
9031100000	Machines for balancing mechanical parts	0	13454
300000	Profile projectors	0	2305
9032810040	Industrial process control instr., hydraulic or pneumatic	490731	24755

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	2	3	2	761	5	414
8462100030	0	0	0	0	0	0	2	1261	1	509
100050	2	148	1	44	2	71	0	0	14	3542
210080	1	33	0	0	1	48	4	509	23	3508
290030	0	0	0	0	0	0	0	0	23	333
290040	0	0	0	0	0	0	0	0	13	210
290050	53	727	0	0	0	0	1	164	160	2960
310080	0	0	0	0	0	0	0	0	9	697
390050	0	0	0	0	1	24	0	0	40	727
410080	1	118	0	0	0	0	1	77	11	1817
490050	7	166	0	0	2	145	1	13	70	919
910060	0	0	0	0	0	0	0	0	1	185
910090	5	58	0	0	2	213	2	191	19	561
990030	0	0	0	0	19	506	0	0	7	330
990040	0	0	2	101	0	0	17	754	1	13
990060	2	277	0	0	0	0	1	20	15	393
8463100080	0	0	0	0	0	0	0	0	16	1570
200080	0	0	0	0	0	0	0	0	1	88
300080	1	4	0	0	2	42	8	120	31	726
900080	11	224	1	29	20	498	4	43	70	931
9800000002	11	90	1	10	5	146	3	55	225	5026
9900000002	168	151	3	3	176	109	65	56	978	969
Tot	262	1998	8	188	232	1804	111	4023	1733	26427
Y-T-D Tot	262	1998	8	188	232	1804	111	4023	1733	26427
NC YTD Tot	2	151	0	0	20	554	5	585	51	6537
C&F	745	4699	61	826	894	8046	367	10565	4705	69087
C&F YTD	745	4699	61	826	894	8046	367	10565	4705	69087
C&F NC YTD*	7	1275	0	0	58	4669	32	4683	208	32659

Other Manufacturing Technology

1000000000	0	4813	0	1176	0	4879	0	6480	0	59449
2000000000	0	2089	0	3823	0	3830	0	2460	0	35198
2710003070	0	55	0	0	0	220	0	18	0	734
8428900010	0	0	0	0	2	28	1	11	67	695
8431390090	0	2657	0	26	0	1952	0	256	0	5748
8456100000	4	101	0	0	3	47	0	0	12	672
200000	0	0	0	0	2	54	0	0	1	12
106010	0	0	0	0	0	0	0	0	7	259
106070	0	0	0	0	0	0	13	1046	37	7469
200005	0	0	0	0	0	0	0	0	15	1333
200015	0	0	0	0	0	0	0	0	48	5851
200030	2	124	3	326	18	457	0	0	0	0
200060	1	19	0	0	1	1776	0	0	5	838
300000	0	0	0	0	77	1641	16	828	6	1838
400000	1	50	0	0	0	0	1	3	28	951
510010	402	107	0	0	59	457	16	399	14	350
510090	3	41	11	275	13	313	3	36	0	0
590000	3	20	1	61	16	223	1	21	35	695
800000	9	85	0	0	0	0	30	440	811	11960
8479899040	8	63	0	0	1	10	0	0	1533	12355
908040	0	95	0	0	0	104	0	0	0	5665
8537100030	4	42	0	0	7	100	14	196	64	698
9024100000	0	282	0	78	0	232	0	352	0	3432
9031100000	0	197	0	0	0	0	0	98	0	5733
300000	0	35	0	0	0	34	0	0	0	78
9032810040	1554	187	2748	145	12808	711	168	146	21392	1974

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	916	3	15	6	70	10	102	0	0
8462100030	0	0	1	679	2	638	0	0	0	0
100050	1	117	24	2064	17	1525	0	0	0	0
210080	12	1051	1	573	6	720	0	0	0	0
290030	0	0	0	0	0	0	0	0	10	1134
290040	0	0	0	0	1	300	0	0	0	0
290050	2	64	8	259	26	877	2	9	5	90
310080	0	0	0	0	4	802	0	0	0	0
390050	2	127	1	200	2	20	0	0	0	0
410080	0	0	3	361	5	772	1	140	0	0
490050	19	661	1	10	17	973	1	8	49	521
910060	2	17	0	0	0	0	0	0	0	0
910090	6	242	7	113	16	743	1	11	0	0
990030	1	362	27	1400	13	981	0	0	0	0
990040	2	534	1	375	32	1844	0	0	1	1214
990060	0	0	18	1256	19	4231	0	0	0	0
8463100080	2	10	1	10	32	314	0	0	0	0
200080	0	0	0	0	6	199	0	0	0	0
300080	3	45	38	616	66	3697	0	0	0	0
900080	23	12037	21	5326	40	5071	25	509	7	402
9800000002	158	1126	26	508	30	541	0	0	5	61
9900000002	44	23	385	244	644	438	19	10	18	15
Tot	279	17332	566	14008	984	24757	59	790	95	3438
Y-T-D Tot	279	17332	566	14008	984	24757	59	790	95	3438
NC YTD Tot	15	1430	31	2334	28	3276	1	140	0	0
C&F	768	31872	1473	24361	3095	62460	394	7883	118	4732
C&F YTD	768	31872	1473	24361	3095	62460	394	7883	118	4732
C&F NC YTD*	43	11076	60	8777	175	27764	5	1754	1	31

Other Manufacturing Technology

1000000000	0	3596	0	15681	0	35000	0	1599	0	1835
2000000000	0	612	0	2744	0	7450	0	1463	0	914
2710003070	0	17	0	40	0	9	0	5	0	105
8428900010	21	1654	91	402	13	61	0	0	0	0
8431390090	0	1183	0	1040	0	1165	0	40	0	1547
8456100000	3	76	23	1557	16	1203	1	15	3	83
200000	0	0	4	178	0	0	1	15	0	0
106010	1	165	4	523	6	348	0	0	0	0
106070	16	513	7	610	13	1107	0	0	0	0
200005	0	0	0	0	5	157	1	694	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	3	1058	47	1222	36	868	0	0	0	0
200060	0	0	0	0	2	75	0	0	0	0
300000	4	65	6	3928	17	576	0	0	0	0
400000	24	281	37	320	36	102	0	0	0	0
510010	0	0	23	99	1	22	25	480	0	0
510090	1	1650	0	0	1	205	4	437	15	5
590000	4	63	33	426	46	721	25	54	4	1539
800000	73	3576	31	855	112	706	31	499	1	51
8479899040	21	210	230	4389	339	3889	2	32	0	0
908040	0	29	0	522	0	919	0	6	0	0
8537100030	7	107	100	1465	109	1579	0	0	0	0
9024100000	0	1198	0	959	0	3534	0	198	0	31
9031100000	0	148	0	0	0	220	0	1049	0	3
300000	0	0	0	131	0	164	0	0	0	0
9032810040	639	2013	16695	989	34056	2109	1695	145	3099	155

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
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Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	41	448	20	348
8462100030	3	221	13	4823	3	540	0	0	0	0
100050	2	461	3	2272	8	503	0	0	5	276
210080	1	27	8	374	4	1503	1	29	17	1661
290030	0	0	3	103	0	0	0	0	12	192
290040	6	60	0	0	0	0	1	20	3	57
290050	2	415	23	740	10	512	1	12	64	3995
310080	0	0	16	883	0	0	0	0	14	1333
390050	4	32	3	100	18	278	2	35	63	1742
410080	1	71	2	2052	4	262	0	0	8	1310
490050	12	280	17	309	10	110	0	0	68	1157
910060	0	0	0	0	3	110	0	0	4	58
910090	1	32	1	11	6	260	0	0	168	2369
990030	1	224	4	506	-19	608	0	0	0	0
990040	1	393	3	242	0	0	0	0	14	1228
990060	2	52	75	2246	5	643	1	245	261	3760
8463100080	1	23	10	227	0	0	0	0	3	68
200080	0	0	5	147	3	43	0	0	5	132
300080	10	315	12	365	13	250	0	0	52	667
900080	11	462	69	2300	36	3232	0	0	50	738
9800000002	110	1699	58	1995	74	2706	0	0	715	7001
9900000002	123	76	678	344	286	238	46	24	1311	1286
Tot	291	4841	1003	20040	502	11797	93	814	2857	29376
Y-T-D Tot	291	4841	1003	20040	502	11797	93	814	2857	29376
NC YTD Tot	3	322	30	3815	30	2484	1	29	43	4362
C&F	936	12349	4768	54097	2427	34385	197	2449	7699	58533
C&F YTD	936	12349	4768	54097	2427	34385	197	2449	7699	58533
C&F NC YTD*	13	3853	107	12446	65	10908	6	158	156	15897

Other Manufacturing Technology

1000000000	0	10909	0	31144	0	15005	0	2120	0	24290
2000000000	0	1820	0	5753	0	6179	0	817	0	11034
2710003070	0	17	0	241	0	89	0	4	0	302
8428900010	1	15	9	169	0	0	0	0	9	128
8431390090	0	39	0	1566	0	1456	0	68	0	1922
8456100000	9	1186	80	7930	3	453	0	0	6	744
200000	8	170	4	72	0	0	0	0	3	71
106010	0	0	2	129	1	75	0	0	62	4248
106070	0	0	9	1102	12	3383	1	102	40	4446
200005	0	0	1	149	0	0	0	0	37	2154
200015	0	0	7	378	0	0	16	400	4	387
200030	6	713	5	724	22	952	0	0	35	1817
200060	3	80	11	337	0	0	4	105	14	1847
300000	4	232	1	11	21	386	0	0	48	2839
400000	15	128	102	390	131	1154	0	0	72	734
510010	23	652	23	552	1	87	3	83	96	2101
510090	13	318	6	781	15	370	0	0	50	976
590000	56	989	170	1522	6	27	9	48	100	937
800000	9	136	51	330	24	254	4	189	487	7236
8479899040	84	1049	78	593	3	117	2	29	31	2236
908040	0	580	0	2857	0	308	0	11	0	844
8537100030	25	442	28	381	40	519	6	88	10	164
9024100000	0	893	0	6915	0	3487	0	45	0	1523
9031100000	0	37	0	308	0	2179	0	40	0	1253
300000	0	749	0	159	0	158	0	0	0	28
9032810040	18689	2086	11542	1168	12802	972	242	22	5119	613

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
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Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	26	14	157	0	0	0	0	25	267
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	7	706	0	0	0	0	0	0
210080	0	0	6	439	1	55	2	106	3	133
290030	0	0	1	56	0	0	0	0	3	105
290040	0	0	0	0	0	0	0	0	1	23
290050	7	57	12	303	0	0	6	106	7	244
310080	5	445	3	143	0	0	0	0	0	0
390050	3	55	0	0	0	0	0	0	1	10
410080	8	941	2	169	0	0	1	75	3	431
490050	1	4	9	109	4	328	11	141	5	76
910060	0	0	0	0	0	0	0	0	0	0
910090	10	95	1	15	6	210	1	14	6	144
990030	1	47	0	0	0	0	0	0	0	0
990040	2	211	1	40	0	0	0	0	9	437
990060	0	0	3	69	0	0	2	11	3	393
8463100080	0	0	1	6	24	2400	14	368	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	3	46	0	0	9	348	14	288	0	0
900080	55	3539	14	312	0	0	4	62	13	1595
9800000002	4	314	40	630	5	4	3	9	0	732
9900000002	556	407	106	93	21	17	150	118	110	68
Tot	659	6187	220	3249	70	3362	208	1298	189	4657
Y-T-D Tot	659	6187	220	3249	70	3362	208	1298	189	4657
NC YTD Tot	14	1432	11	751	1	55	3	181	6	564
C&F	1074	9337	1784	7917	243	4371	817	4802	921	10666
C&F YTD	1074	9337	1784	7917	243	4371	817	4802	921	10666
C&F NC YTD*	19	2562	26	1916	2	82	19	2406	22	2638

Other Manufacturing Technology

1000000000	0	7924	0	6780	0	3368	0	3883	0	4193
2000000000	0	3173	0	1128	0	1811	0	1367	0	2813
2710003070	0	0	0	115	0	0	0	11	0	139
8428900010	0	0	7	25	0	0	82	41	0	0
8431390090	0	568	0	1189	0	109	0	164	0	286
8456100000	3	350	7	162	0	0	2	114	13	1069
200000	0	0	2	32	1	16	0	0	0	0
8477106010	0	0	2	194	0	0	0	0	0	0
106070	2	126	5	360	0	0	5	426	0	0
200005	0	0	0	0	0	0	0	0	1	33
200015	3	62	0	0	0	0	0	0	0	0
200030	8	203	0	0	0	0	0	0	1	350
200060	0	0	1	680	0	0	1	14	0	0
300000	1	25	0	0	0	0	3	6	12	224
400000	1	15	1	45	2	24	0	0	39	12
510010	379	303	0	0	24	457	0	0	0	0
510090	1	7	6	7	0	0	0	0	0	0
590000	5	65	4	59	22	275	8	137	13	143
800000	110	158	55	246	7	124	3	61	12	911
8479899040	50	306	1	14	0	0	64	1134	6	991
908040	0	13	0	2171	0	29	0	704	0	156
8537100030	3	39	54	819	11	116	2	23	4	39
9024100000	0	914	0	701	0	860	0	443	0	846
9031100000	0	10	0	411	0	654	0	0	0	87
300000	0	182	0	98	0	3	0	46	0	161
9032810040	44605	2496	20529	1218	26176	1389	4604	232	1525	186

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	5	22	2	32	0	0	2	12	2	55
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	52	12	904	0	0	1	64	1	69
210080	4	541	10	471	0	0	0	0	15	655
290030	0	0	7	280	0	0	0	0	0	0
290040	0	0	1	72	0	0	0	0	1	59
290050	0	0	133	2313	0	0	0	0	8	1271
310080	2	100	1	32	0	0	0	0	0	0
390050	0	0	1	725	0	0	1	9	0	0
410080	1	176	7	789	0	0	0	0	1	115
490050	16	209	35	1768	0	0	0	0	12	244
910060	0	0	0	0	0	0	1	41	0	0
910090	0	0	3	310	0	0	5	154	4	149
990030	0	0	27	685	0	0	0	0	0	0
990040	0	0	11	635	0	0	0	0	0	0
990060	6	182	20	1086	0	0	2	52	12	269
8463100080	13	99	16	299	0	0	0	0	0	0
8463200080	0	0	2	42	0	0	0	0	0	0
8463300080	15	1454	34	668	1	26	5	79	11	168
8463900080	21	2158	76	2612	0	0	6	132	7	1275
9800000002	31	56	35	355	0	0	17	728	49	620
9900000002	69	60	538	448	0	0	181	55	289	210
Tot	184	5109	971	14526	1	26	221	1325	412	5157
Y-T-D Tot	184	5109	971	14526	1	26	221	1325	2253	33651
NC YTD Tot	7	817	45	1976	0	0	1	41	37	3692
C&F	679	6746	3134	30176	153	16595	709	7561	5508	66945
C&F YTD	679	6746	3134	30176	153	16595	709	7561	5508	66945
C&F NC YTD*	20	1617	141	11282	4	324	18	1764	108	15129

Other Manufacturing Technolog

1000000000	0	3674	0	28573	0	890	0	6117	0	9781
2000000000	0	1013	0	7834	0	0	0	3566	0	2718
8710003070	0	33	0	29	0	0	0	71	0	87
8428900010	0	0	8	128	0	0	0	0	0	0
8431390090	0	6705	0	1878	0	49	0	4702	0	2531
8456100000	0	0	19	604	0	0	61	1821	8	574
200000	5	115	2	40	0	0	0	0	0	0
106010	0	0	1	65	0	0	0	0	3	409
106070	0	0	11	742	0	0	7	423	4	242
200005	0	0	0	0	0	0	4	110	0	0
200015	0	0	0	0	0	0	1	110	5	115
200030	1	139	15	542	0	0	3	76	11	264
200060	1	15	4	75	0	0	0	0	1	63
300000	12	460	22	3930	0	0	0	0	21	435
400000	0	0	85	16	0	0	0	0	18	37
510010	4	93	10	322	0	0	28	118	69	292
510090	74	36	7	627	0	0	1	119	15	581
590000	2	26	278	5731	0	0	3	5	4	66
800000	31	438	170	4370	0	0	28	259	51	761
8479899040	0	0	195	2545	0	0	7	43	8	1449
908040	0	10	0	2766	0	0	0	114	0	239
8537100030	5	57	239	3540	0	0	1	11	26	403
9024100000	0	45	0	2938	0	228	0	199	0	867
9031100000	0	58	0	207	0	0	0	84	0	161
300000	0	0	0	170	0	0	0	0	0	0
9032810040	181414	605	28766	2466	146	23	2551	194	9845	527

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 - June 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	2	315	0	0	2	315
Czechoslovakia	1	10	1	165	2	175
Denmark	142	1360	40	189	182	1550
Finland	49	50	47	1011	96	1061
Greece	2	35	221	984	223	1019
Hungary	43	570	1	15	44	585
Iceland	15	10	15	13	30	22
Ireland	56	1707	73	5144	129	6852
Luxembourg	2	3	1	14	3	17
Norway	89	942	90	54	179	996
Poland	3	8	2	1570	5	1577
Portugal	30	37	8	98	38	135
Romania	18	626	0	0	18	626
Sweden	252	3045	146	833	398	3878
Turkey	32	2592	48	1210	80	3802
Yugoslavia	2	2	2	305	4	328
Other Europe	15	49	8	15	23	64
TOTAL	8643	113710	4693	82615	13336	196325
NORTH AND CENTRAL AMERICA						
Bahamas	13	55	1	15	14	70
Barbados	20	8	44	203	64	211
Belize	4	4	0	0	4	4
Bermuda	2	4	5	4	7	8
Costa Rica	185	513	41	159	226	672
Dominican Rep	15	16	8	13	23	30
El Salvador	2	17	4	130	6	147
Guatemala	20	174	21	262	41	436
Haiti	0	0	3	18	3	18
Honduras	64	161	31	370	95	531
Jamaica	1	8	4	172	5	180
Panama	21	25	29	604	50	629
Trinidad	3	113	60	131	63	244
Oth N & C Am.	22	116	9	209	31	325
TOTAL	8186	73030	4850	58094	13036	131124
SOUTH AMERICA						
Argentina	149	5020	113	1299	262	6319
Bolivia	8	5	1	3	9	8
Chile	145	1838	120	1959	265	3797
Colombia	103	973	55	914	158	1887
Ecuador	36	101	69	252	105	353
Paraguay	0	0	0	0	0	0
Peru	33	431	109	172	142	603
Uruguay	25	15	0	0	25	15
Oth South Am.	1	15	1	13	2	28
TOTAL	1244	21175	800	9960	2044	31135
OCEANIA						
New Zealand	23	249	29	615	52	864
Other Oceania	6	37	6	50	12	87
TOTAL	512	2987	297	2663	809	5650

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 - June 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	48	9	0	0	48	9
Hong Kong	831	3614	189	2728	1020	6341
Iran	2	20	1	76	3	96
Iraq	0	0	0	0	0	0
Israel	69	328	72	1089	141	1417
Jordan	7	13	1	11	8	25
Kuwait	1	5	0	0	1	5
Laos	0	0	0	0	0	0
Lebanon	6	18	0	0	6	18
Macao	0	0	0	0	0	0
Oman	10	23	22	11	32	35
Pakistan	2	51	18	543	20	594
Philippines	101	310	111	2938	212	3248
Qatar	19	22	0	0	19	22
Saudi Arabia	76	1102	128	3569	204	4671
Sri Lanka	0	0	0	0	0	0
Syria	0	0	3	264	3	264
United Arab Emr	81	449	36	189	117	638
Vietnam	0	0	0	0	0	0
Other Asia	26	17	7	129	33	146
TOTAL	10711	99502	3212	78773	13923	178275
AFRICA						
Algeria	5	590	7	283	12	873
Botswana	0	0	0	0	0	0
Egypt	66	3624	14	426	80	4050
Ethiopia	0	0	1	9	1	9
Gabon	0	0	0	0	0	0
Ghana	1	33	5	846	6	879
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	1	20	0	0	1	20
Mauritius	0	0	7	486	7	486
Morocco	0	0	14	12	14	12
Niger	0	0	0	0	0	0
Nigeria	67	717	12	75	79	792
South Africa	161	913	137	543	298	1456
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	1	205	1	205
Zambia	0	0	1	31	1	31
Zimbabwe	11	48	0	0	11	48
Other Africa	10	88	0	0	10	88
TOTAL	322	6034	199	2916	521	8950

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

RELEASED: August 28, 1991

		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8456301020	Traveling wire electro-discharge machines	327	25106	49	3540
301050	Electro-discharge machines, n.e.c., NC	103	10009	19	1482
301070	Electro-discharge machines, n.e.c., non-NC	177	1692	21	212
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	821	68910	154	12478
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	55	10313	9	1904
100035	Horizontal machining centers, ATC	268	58733	43	9653
100045	Machining centers, n.e.c.	147	103620	25	38343
200010	Unit construction mach. (single station transfer), NC	22	4455	2	183
200090	Unit construction mach. (single station transfer), non-NC	4	939	0	0
300010	Multi-station transfer machines, NC	8	7988	1	582
300090	Multi-station transfer machines, non-NC	30	13316	4	818
8458110010	Horizontal lathes, multiple spindle, NC	138	22438	24	3769
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	955	73220	137	10872
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	204	30215	33	4869
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	29	12253	2	722
190030	Horizontal engine or toolroom lathes, non-NC	1790	16723	284	2459
190050	Automatic bar and/or chucking mach., single spindle, non-NC	211	6178	34	990
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	16	2326	2	358
190090	Horizontal lathes, n.e.c., non-NC	306	13329	43	3640
911060	Vertical turret lathes, multiple spindle, NC	3	550	0	0
911080	Vertical turret lathes, n.e.c., NC	23	5612	3	601
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	13	2887	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	17	3187	3	307
991050	Vertical turret lathes, non-NC	57	675	14	171
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	155	4818	25	1013
8459100000	Way-type unit head machines	2	71	1	13
210080	Other drilling machines, NC	213	16546	56	3117
290040	Drilling machines, multiple spindle, non-NC	12	1057	2	41
290050	Drilling machines, radial, non-NC	124	1342	18	213
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	35	338	0	0
290090	Drilling machines, n.e.c., non-NC	261	6966	70	455
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	11	5196	5	2273
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	49	8749	0	0
310070	Boring-milling machines, n.e.c., NC	12	2786	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	3	24	3	24
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	57	3700	13	261
400040	Boring machines, vertical, NC	7	1180	1	95
400050	Boring machines, vertical, non-NC	33	674	14	205
400070	Boring machines, n.e.c., NC	12	3848	0	0
400080	Boring machines, n.e.c., non-NC	166	2961	19	457
510080	Milling machines, knee type, NC	225	4026	20	311
590030	Milling machines, knee type, non-NC	1117	9269	255	1884
610080	Milling machines, excluding knee type, n.e.c., NC	261	21583	42	3820
690050	Milling machines, profile, dup., or die sinking, non-NC	15	604	2	463
690070	Milling machines, bed type, non-NC	18	536	4	90
690090	Milling machines, n.e.c., non-NC	204	6411	5	431
700020	Threading or tapping machines, n.e.c., NC	97	5750	21	777
700080	Threading or tapping machines, n.e.c., non-NC	81	2438	27	535
8460110080	Flat surface grinding machines, NC	67	5924	4	301
190010	Flat surface grinding mach., recip.-table type, non-NC	231	3195	48	276
190050	Flat surface grinding machines, n.e.c., non-NC	639	8172	68	974
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	264	42483	36	3928
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	184	4695	9	201
290030	Grinding machines, internal cylindrical, non-NC	106	3457	7	423
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	407	14609	16	1108
310080	Sharpening machines (tool & cutter grinding), NC	83	3742	16	1367
390050	Sharpening machines (tool & cutter grinding), non-NC	316	3539	39	358
400060	Honing or lapping machines, NC	17	1572	3	144
400080	Honing or lapping machines, non-NC	89	5134	22	1126
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	46	3105	11	2106
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	623	16468	103	1438
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	8	46	2	8
200010	Shaping or slotting machines, NC	2	298	0	0
200090	Shaping or slotting machines, non-NC	31	2613	12	211
300060	Broaching machines, NC	5	2814	0	0
300080	Broaching machines, non-NC	8	3127	2	35
401020	Gear cutting for bevel gears	1	518	1	518
401030	Gear hobbers	79	11932	17	2869
401040	Gear shapers	29	3150	2	66
401060	Gear cutting machines, n.e.c.	114	2233	35	4
405050	Gear grinding or finishing for bevel gears	1	49	0	0
405070	Gear grinding or finishing machines, n.e.c.	24	10785	3	614
500050	Sawing or cutting-off machines, NC	61	9851	9	55
500090	Sawing or cutting-off machines, non-NC	762	15722	117	2052
9000000001	Metal cutting machine tools, n.e.c.	152	8166	35	519
9800000001	Used or rebuilt machine tools	1200	23091	116	2785
9900000001	Machine tools valued at less than $3,025	432784	42940	58784	6077
	Cutting Total			61026	143995
	Y-T-D Cutting Total	447227	858977		
	NC Y-T-D Cutting Total	4590	582287		

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - June 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	4	885
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	2	1634
100045	0	0	0	0	0	0	0	0	13	36261
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	1	582	0	0	0	0
300090	0	0	0	0	0	0	0	0	2	12
110010	0	0	0	0	0	0	0	0	3	796
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	3	405	2	247
110090	0	0	0	0	0	0	0	0	1	468
190030	0	0	43	377	0	0	2	31	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	1	5	3	34	0	2187
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	2	507
100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	199	0	0	1	172
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	35	0	0	0	0	1	45
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	2	33	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	209
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	2	11	15	383	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	3	52
610080	0	0	0	0	0	0	0	0	4	1606
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	80
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	8	177
8460110080	0	0	0	0	0	0	0	0	1	151
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	1	2	0	0	1	198
210080	0	0	0	0	0	0	0	0	15	1125
290010	0	0	0	0	6	50	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	3
290050	1	2	0	0	0	0	0	0	6	360
310080	0	0	0	0	1	329	0	0	6	91
390050	0	0	0	0	3	12	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	4	663
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	5	0	0	7	270
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	2	6	0	0	3	47
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	16	2787
401040	0	0	0	0	0	0	0	0	1	52
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	2	383
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	40	661	0	0	11	312
9000000001	0	0	0	0	1	4	0	0	0	0
9800000001	0	0	0	0	23	56	2	5	11	253
9900000001	1	2	0	0	150	45	184	90	404	242
Month Tot	2	4	46	412	235	1998	209	948	537	52275
Y-T-D Tot	24	1297	266	4144	1433	9228	988	9905	4905	229996
NC YTD Tot	4	261	12	1495	26	1740	32	4980	353	164502

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - June 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	42	2943	0	0	0	0	0	0
301050	0	0	14	1288	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	1	744	83	7947	3	241	25	909	0	0
100025	0	0	9	1904	0	0	0	0	0	0
100035	0	0	38	7707	2	136	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	2	183	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	507	0	0	0	0	0	0	0	0
110010	0	0	21	2973	0	0	0	0	0	0
110030	0	0	114	9572	4	232	0	0	0	0
110050	0	0	26	4049	1	102	0	0	0	0
110090	0	0	1	254	0	0	0	0	0	0
190030	0	0	0	0	15	135	8	106	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	11	1246	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	2	346	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	153	2	154	0	0	0	0	0	0
991050	0	0	2	71	0	0	0	0	12	100
995090	0	0	1	45	6	313	0	0	0	0
100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	53	2730	0	0	0	0	0	0
290040	2	41	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	39	183	0	0	0	0	20	78
310010	3	1692	2	581	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	14	205	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	2	62	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	14	76
590030	0	0	8	214	0	0	0	0	107	717
610080	0	0	2	351	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	15	627	0	0	0	0	0	0
700080	1	55	11	70	0	0	0	0	0	0
8460110080	2	40	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	15	109	0	0
190050	1	24	7	250	0	0	0	0	2	21
210080	0	0	14	2380	0	0	0	0	0	0
290010	0	0	1	45	0	0	0	0	0	0
290030	0	0	1	35	0	0	0	0	0	0
290050	1	93	1	6	0	0	0	0	0	0
310080	0	0	5	645	0	0	0	0	0	0
390050	7	50	1	39	0	0	0	0	0	0
400060	0	0	2	134	0	0	0	0	0	0
400080	0	0	5	53	0	0	0	0	0	0
900060	0	0	4	2032	0	0	0	0	0	0
900080	52	783	24	236	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	7	158	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	1	8	0	0	0	0	0	0	0	0
500090	0	0	26	600	0	0	0	0	2	24
9000000001	5	232	2	18	6	38	0	0	0	0
9800000001	1	5	36	1146	0	0	1	28	0	0
9900000001	2752	382	2923	567	1470	132	8	1	0	0
Month Tot	2847	5077	3555	53602	1509	1512	57	1153	157	1017
Y-T-D Tot	21198	22587	29881	371353	11231	8991	562	5479	1138	10984
NC YTD Tot	40	9610	2739	315696	76	5153	56	2609	149	1101

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - June 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	4	552	3	45	0	0	0	0
301050	0	0	0	0	1	18	0	0	4	176
301070	0	0	1	34	20	178	0	0	0	0
8457100015	0	0	0	0	6	417	17	939	15	395
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	176
100045	0	0	2	1237	0	0	6	508	4	337
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	1	299	0	0	0	0	0	0
110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	3	239	14	782	1	31	1	17
110050	0	0	0	0	0	0	1	66	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	84	852	32	384	100	575
190050	0	0	3	242	27	215	1	88	3	444
190070	0	0	2	358	0	0	0	0	0	0
190090	0	0	0	0	0	0	6	66	22	103
911060	0	0	0	0	0	0	0	0	0	0
911080	1	255	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	4	1	75	0	0	0	0	14	69
100000	0	0	0	0	0	0	1	13	0	0
210080	0	0	0	0	1	16	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	7	76	0	0	7	57
290070	0	0	0	0	0	0	0	0	0	0
290090	1	8	0	0	0	0	0	0	8	154
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	1	12	2	12
390050	0	0	0	0	12	52	0	0	0	0
400040	0	0	0	0	0	0	0	0	1	95
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	6	235	0	0
590030	0	0	0	0	117	731	8	89	12	81
610980	0	0	0	0	20	265	1	1464	15	133
690050	0	0	2	463	0	0	0	0	0	0
690070	0	0	0	0	4	90	0	0	0	0
690090	0	0	0	0	0	0	1	23	3	327
700020	0	0	0	0	6	150	0	0	0	0
700080	0	0	7	232	0	0	0	0	0	0
8460110080	0	0	0	0	1	110	0	0	0	0
190010	0	0	0	0	33	168	0	0	0	0
190050	0	0	1	46	51	366	0	0	4	67
210080	0	0	2	392	0	0	1	4	4	26
290010	0	0	1	97	0	0	0	0	1	9
290030	1	252	2	91	0	0	0	0	2	42
290050	1	23	3	602	0	0	2	16	1	5
310080	0	0	1	23	0	0	0	0	3	279
390050	0	0	1	13	12	56	14	176	1	11
400060	0	0	0	0	0	0	1	10	0	0
400080	1	11	4	269	0	0	8	130	0	0
900060	0	0	0	0	0	0	0	0	7	75
900080	2	8	2	24	0	0	10	67	5	46
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	2	8	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	35	0	0	0	0	0	0
401020	0	0	1	518	0	0	0	0	0	0
401030	0	0	1	82	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	1	13
401060	0	0	35	4	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	1	231
500050	0	0	0	0	8	47	0	0	0	0
500090	0	0	1	158	32	228	1	14	4	55
9000000001	0	0	20	217	0	0	1	10	0	0
9800000001	1	50	4	208	1	6	23	665	13	363
9900000001	317	259	27	23	28611	3397	14	13	21923	923
Month Tot	326	869	136	6543	29071	8266	157	5023	22182	5296
Y-T-D Tot	1728	12331	676	38424	307928	55864	1512	43893	63757	34503
NC YTD To.	11	5959	125	18193	421	14266	200	25611	346	11110

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 91

RELEASED: August 28, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	150	18839	21	2713
8462100030	Headers and upsetters, including cold headers	51	10285	11	1275
100050	Forging or die stamping machines, and hammers, n.e.c.	371	21719	58	4711
210080	Bending, folding, straight. or flat. mach., incl presses, NC	246	20076	33	2126
290030	Press brakes, non-NC	120	4232	20	660
290040	Bending rolls, non-NC	33	969	3	87
290050	Bending, folding, straight., or flat., n.e.c., non-NC	495	15463	73	3047
310080	Shearing machines, NC	10	1510	1	296
390050	Shearing machines, non-NC	163	5042	14	205
410080	Punching or notching mach., incl. comb. punch & shear, NC	99	15118	18	4353
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	226	5210	41	482
910060	Hydraulic presses, NC	8	5082	0	0
910090	Hydraulic presses, non-NC	798	11261	86	1675
990030	Presses, n.e.c., NC	1	1281	0	0
990035	Mechanical transfer presses, non-NC	7	57915	1	2304
990045	Mechanical presses, n.e.c., non-NC	53	13428	11	216
990060	Presses, n.e.c., non-NC	202	12336	33	1677
8463100080	Draw benches for bars, tubes, profiles, wire or the like	97	7962	6	763
200080	Thread rolling machines	32	1185	2	163
300080	Machines for working wire	558	29838	94	3972
900080	Metal forming machine tools, n.e.c.	551	16516	57	1413
9800000002	Used or rebuilt machine tools	2137	16256	104	2125
9900000002	Machine tools valued at less than $3,025	7424	2601	1132	387
	Forming Total			1819	34652
	Y-T-D Forming Total	13832	294123		
	NC Y-T-D Forming Total	364	43066		
	Cutting and Forming Totals:				
	Monthly Total			62845	178647
	Y-T-D Total	461059	1153100		
	NC Y-T-D Total	4954	625353		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	282560	0	49144
2000000000	Parts for working rubber or plastics - heading 8477	0	174498	0	27130
2710003070	Quenching or cutting oils	0	152	0	23
8428900010	Industrial robots for lifting, handling, loading or unload	939	14633	251	2320
8431390080	Parts industrial robots, handling and loading - heading 8428	0	46745	0	7316
8456101010	Laser, light or photon beam for working metal, NC	63	16239	5	1049
101020	Laser, light or photon beam for working metal, non-NC	46	6259	8	454
105000	Laser, light or photon beam for other materials	36	4809	7	831
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	32	114	0	0
205000	Ultrasonic processes for working other materials	26	154	0	0
8477103000	Injection molding mach., for manufacturing shoes	5	875	0	0
106010	Injection molding mach., for rubber or oth. thermosetting	432	49943	73	7664
106050	Injection molding mach., for thermoplastics	1141	112577	150	16179
200005	Extruders; rubber or other thermosetting mat., single screw	21	4073	4	449
200015	Extruders; rubber or thermosetting, other incl. multi. screw	105	12459	21	1522
200035	Extruders; thermoplastics, single screw, less than 6.4cm	53	1668	14	786
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	45	4613	4	35
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	31	3713	11	2021
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	75	10524	13	1683
300000	Blow molding machines	104	28059	9	3966
400000	Vacuum-molding and other thermoforming machines	223	9139	37	369
510010	Machines for molding or retreading pneumatic tires	238	13927	45	1102
510090	Machines for molding or otherwise forming inner tubes	44	2971	4	81
590000	Machines for molding or otherwise forming n.e.c.	333	16753	45	1818
800000	Machines for working rubber or plastics n.e.c.	1117	80214	205	6585
8479899040	Industrial robots, n.e.c.	1989	75024	397	15801
908040	Industrial robot parts	0	17150	0	2216
8537100030	Numerical controls for controlling machine tools	4725	17152	1522	2661
9024100000	Machines and appliances for testing metals	0	5970	0	425
9031100000	Machines for balancing mechanical parts	0	3806	0	221
300000	Profile projectors	0	3275	0	594
9032810020	Industrial process control instr., hydraulic	68804	1927	10642	202
810060	Industrial process control instr., pneumatic	86600	2888	16833	675

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	12	1157	0	0	1	176
8462100030	0	0	0	0	0	0	0	0	5	626
100050	0	0	0	0	0	0	0	0	9	3270
210080	0	0	0	0	1	81	0	0	1	19
290030	3	189	0	0	11	400	0	0	0	0
290040	0	0	0	0	2	7	0	0	1	79
290050	0	0	0	0	22	493	0	0	9	220
310080	0	0	0	0	0	0	0	0	0	0
390050	2	48	0	0	2	37	0	0	0	0
410080	0	0	0	0	0	0	0	0	6	946
490050	0	0	0	0	0	0	0	0	23	228
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	52	0	0	13	1365
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	1	74	0	0	1	7	0	0	0	0
990060	0	0	0	0	18	985	0	0	7	286
8463100080	0	0	0	0	0	0	0	0	5	675
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	1	73	0	0	32	1620
900080	0	0	0	0	5	31	12	93	1	5
9800000002	4	174	0	0	31	480	0	0	4	138
9900000002	0	0	0	0	22	24	9	18	23	13
Month Tot	10	485	0	0	129	3827	21	111	140	9665
Y-T-D Tot	106	4949	24	19697	1265	24565	105	1102	896	49019
NC YTD Tot	1	561	0	0	20	2855	5	55	63	11010
C&F Month	12	488	46	412	364	5825	230	1059	677	61940
C&F Y-T-D	130	6246	290	23841	2698	33792	1093	11008	5801	279015
C&F NC YTD	5	822	12	1495	46	4595	37	5035	416	175512

Other Manufacturing Technology

1000000000	0	775	0	83	0	12105	0	468	0	8906
2000000000	0	11	0	13	0	5501	0	2741	0	7021
2710003070	0	0	0	0	0	4	0	0	0	0
8428900010	0	0	0	0	5	60	0	0	9	523
8431390080	0	0	0	5	0	2012	0	29	0	984
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	7	342
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	0	0	0	0	2	130
106050	0	0	0	0	31	4923	1	3	25	2889
200005	0	0	0	0	1	87	0	0	0	0
200015	0	0	0	0	0	0	0	0	1	43
200035	0	0	0	0	9	151	0	0	1	6
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	11	2021
200065	0	0	0	0	0	0	0	0	9	723
300000	0	0	0	0	0	0	1	1294	2	1380
400000	1	13	0	0	0	0	0	0	25	276
510010	0	0	0	0	24	660	0	0	1	400
510090	0	0	0	0	2	10	0	0	0	0
590000	0	0	0	0	7	375	9	657	3	176
800000	0	0	0	0	18	730	5	965	33	1124
8479899040	0	0	0	0	3	19	3	169	4	379
908040	0	0	0	0	0	6	0	0	0	725
8537100030	0	0	0	0	4	78	0	0	5	22
9024100000	0	0	0	0	0	10	0	0	0	112
9031100000	0	0	0	0	0	39	0	0	0	79
300000	0	0	0	0	0	0	0	0	0	36
9032810020	0	0	0	0	4	17	0	0	3	4
810060	0	0	0	0	17	86	0	0	19	160

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	82	0	0	0	0
8462100030	5	567	0	0	0	0	0	0	0	0
100050	6	174	42	696	0	0	0	0	0	0
210080	1	2	27	1925	0	0	0	0	0	0
290030	0	0	3	47	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	14	20	1017	0	0	0	0	0	0
310080	0	0	1	296	0	0	0	0	0	0
390050	0	0	2	32	0	0	0	0	0	0
410080	0	0	6	557	0	0	0	0	0	0
490050	2	25	2	48	0	0	0	0	6	94
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	34	178	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	2304	0	0	0	0	0	0
990045	0	0	2	101	0	0	0	0	0	0
990060	2	9	0	0	0	0	0	0	0	0
8463100080	1	89	0	0	0	0	0	0	0	0
200080	0	0	2	163	0	0	0	0	0	0
300080	34	939	19	321	0	0	0	0	1	183
900080	1	241	9	265	0	0	0	0	0	0
9800000002	6	30	8	224	0	0	0	0	0	0
9900000002	96	101	16	18	0	0	0	0	0	0
Month Tot	156	2189	194	8194	1	82	0	0	7	277
Y-T-D Tot	982	19427	2237	129230	12	445	1	300	277	1533
NC YTD Tot	22	759	204	18720	0	0	0	0	0	0
C&F Month	3003	7266	3749	61795	1510	1594	57	1153	164	1293
C&F Y-T-D	22180	42014	32118	500583	11243	9436	563	5779	1415	12517
C&F NC YTD	62	10369	2943	334416	76	5153	56	2609	149	1101

Other Manufacturing Technology

1000000000	0	1473	0	11713	0	25	0	422	0	192
2000000000	0	1169	0	6038	0	143	0	46	0	17
2710003070	0	0	0	19	0	0	0	0	0	0
8428900010	2	153	216	1137	0	0	0	0	2	82
8431390080	0	286	0	2035	0	34	0	0	0	16
8456101010	0	0	5	1049	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	3	398	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	3	1300	49	5397	0	0	0	0	0	0
106050	12	1131	42	4310	2	53	0	0	0	0
200005	0	0	3	363	0	0	0	0	0	0
200015	1	20	1	984	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	1	17	0	0	0	0	0	0
300000	2	841	1	408	0	0	0	0	0	0
400000	1	17	5	56	0	0	0	0	0	0
510010	0	0	2	20	0	0	0	0	0	0
510090	0	0	0	0	0	0	1	59	0	0
590000	0	0	12	559	0	0	0	0	0	0
800000	16	213	57	2010	0	0	4	57	0	0
8479899040	0	0	330	14604	0	0	0	0	0	0
908040	0	29	0	882	0	0	0	0	0	0
8537100030	11	46	1501	2513	0	0	0	0	0	0
9024100000	0	6	0	42	0	0	0	0	0	0
9031100000	0	35	0	58	0	0	0	0	0	0
300000	0	0	0	203	0	0	0	0	0	0
9032810020	0	0	0	0	2800	9	0	0	0	0
810060	304	34	16	75	7500	24	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	4	1297	0	0	3	2	0	0
8462100030	0	0	0	0	0	0	1	82	0	0
100050	0	0	0	0	0	0	0	0	1	572
210080	2	88	0	0	0	0	1	12	0	0
290030	0	0	0	0	0	0	0	0	3	23
290040	0	0	0	0	0	0	0	0	0	0
290050	5	702	5	433	8	160	0	0	2	9
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	7	77	1	11
410080	0	0	0	0	0	0	0	0	6	2850
490050	0	0	0	0	5	27	2	29	1	32
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	15	29	22	44	0	0	1	7
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	1	13	2	8	0	0	4	13	0	0
990060	0	0	0	0	0	0	6	397	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	78	2	700	0	0	3	58	0	0
900080	0	0	27	664	0	0	1	10	1	105
9800000002	1	4	0	0	23	4	1	5	26	1067
9900000002	21	3	38	48	896	147	9	13	2	3
Month Tot	32	887	93	3179	954	382	38	697	44	4679
Y-T-D Tot	123	7156	577	10550	3794	3348	1599	10878	1834	11923
NC YTD Tot	10	1772	6	350	3	31	3	1479	27	5474
C&F Month	358	1756	229	9722	30025	8647	195	5720	22226	9974
C&F Y-T-D	1851	19487	1253	48973	311722	59212	3111	54772	65591	46426
C&F NC YTD	21	7731	131	18543	424	14297	203	27090	373	16584

Other Manufacturing Technology

1000000000	0	712	0	3403	0	1923	0	3569	0	3376
2000000000	0	15	0	2049	0	263	0	730	0	1374
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	5	194	1	10	0	0	6	6	5	156
8431390080	0	235	0	144	0	216	0	403	0	917
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	1	112
105000	0	0	0	0	0	0	0	0	4	433
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	4	144	3	33	12	659
106050	0	0	3	498	10	312	6	85	18	1976
200005	0	0	0	0	0	0	0	0	0	0
200015	16	246	0	0	1	184	0	0	1	46
200035	0	0	0	0	0	0	4	629	0	0
200045	0	0	0	0	1	14	1	18	2	3
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	1	144	2	799
300000	0	0	0	0	2	15	0	0	1	28
400000	0	0	0	0	0	0	5	8	0	0
510010	0	0	0	0	0	0	0	0	18	22
510090	0	0	0	0	0	0	1	12	0	0
590000	1	31	0	0	0	0	11	7	2	12
800000	0	0	0	0	19	244	37	909	16	333
8479899040	4	324	1	56	0	0	0	0	52	250
908040	0	97	0	54	0	2	0	139	0	281
8537100030	0	0	0	0	0	0	0	0	1	2
9024100000	0	0	0	27	0	0	0	219	0	9
9031100000	0	4	0	0	0	0	0	7	0	0
300000	0	0	0	38	0	0	0	302	0	15
9032810020	0	0	457	20	0	0	601	4	6777	147
810060	1921	278	0	0	6556	10	0	0	500	7

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	124	353	4	902	128	1255
Bulgaria	6	45	0	0	6	45
Czechoslovakia	10	242	0	0	10	242
Denmark	8	85	2	35	10	120
Finland	2	17	6	2850	8	2867
Hungary	0	0	0	0	0	0
Ireland	22	97	0	0	22	97
Luxembourg	1	10	0	0	1	10
Netherlands	4	276	0	0	4	276
Norway	1	1	0	0	1	1
Poland	3	424	0	0	3	424
Portugal	0	0	0	0	0	0
Romania	4	321	0	0	4	321
USSR	1	4	1	11	2	15
Yugoslavia	3	129	0	0	3	129
Other Europe	1	11	0	0	1	11
TOTAL	4561	73772	510	21286	5071	95058
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	231	90	24	733	255	823
Oth N & C Am.	0	0	0	0	0	0
TOTAL	466	2088	153	4561	619	6649
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	46	412	0	0	46	412
OCEANIA						
Australia	53	407	1	7	54	414
New Zealand	1	10	0	0	1	10
Oth Oceania	0	0	0	0	0	0
TOTAL	54	417	1	7	55	424

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	12853	1344	4	34	12857	1378
Hong Kong	8816	281	1	2	8817	282
India	18	246	0	0	18	246
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	7	260	1	105	8	365
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	12	467	0	0	12	467
Other Asia	0	0	0	0	0	0
TOTAL	55898	67130	1155	8798	57053	75928
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Other Africa	1	176	0	0	1	176
TOTAL	1	176	0	0	1	176

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS - Metal Cutting Machine Tools: January 91 - June 91

RELEASED: August 28, 1991

		TOTAL YTD	
		UNITS	$000
8456301020	Traveling wire electro-discharge machines	327	25106
301050	Electro-discharge machines, n.e.c., NC	103	10009
301070	Electro-discharge machines, n.e.c., non-NC	177	1692
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	821	68910
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	55	10313
100035	Horizontal machining centers, ATC	268	58733
100045	Machining centers, n.e.c.	147	103620
200010	Unit construction mach. (single station transfer), NC	22	4455
200090	Unit construction mach. (single station transfer), non-NC	4	939
300010	Multi-station transfer machines, NC	8	7988
300090	Multi-station transfer machines, non-NC	30	13316
8458110010	Horizontal lathes, multiple spindle, NC	138	22438
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	955	73220
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	204	30215
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	29	12253
190030	Horizontal engine or toolroom lathes, non-NC	1790	16723
190050	Automatic bar and/or chucking mach., single spindle, non-NC	211	6178
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	16	2326
190090	Horizontal lathes, n.e.c., non-NC	306	13329
911060	Vertical turret lathes, multiple spindle, NC	3	550
911080	Vertical turret lathes, n.e.c., NC	23	5612
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	13	2887
915070	Vertical lathes, excluding VTL's, n.e.c., NC	17	3187
991050	Vertical turret lathes, non-NC	57	675
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	155	4818
8459100000	Way-type unit head machines	2	71
210080	Other drilling machines, NC	213	16546
290040	Drilling machines, multiple spindle, non-NC	12	1057
290050	Drilling machines, radial, non-NC	124	1342
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	35	338
290090	Drilling machines, n.e.c., non-NC	261	6966
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	11	5196
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	49	8749
310070	Boring-milling machines, n.e.c., NC	12	2786
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	3	24
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	57	3700
400040	Boring machines, vertical, NC	7	1180
400050	Boring machines, vertical, non-NC	33	674
400070	Boring machines, n.e.c., NC	12	3848
400080	Boring machines, n.e.c., non-NC	166	2961
510080	Milling machines, knee type, NC	225	4026
590030	Milling machines, knee type, non-NC	1117	9269
610080	Milling machines, excluding knee type, n.e.c., NC	261	21583
690050	Milling machines, profile, dup., or die sinking, non-NC	15	604
690070	Milling machines, bed type, non-NC	18	536
690090	Milling machines, n.e.c., non-NC	204	6411
700020	Threading or tapping machines, n.e.c., NC	97	5750
700080	Threading or tapping machines, n.e.c., non-NC	81	2438
110080	Flat surface grinding machines, NC	67	5924
190010	Flat surface grinding mach., recip.-table type, non-NC	231	3195
190050	Flat surface grinding machines, n.e.c., non-NC	639	8172
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	264	42483
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	184	4695
290030	Grinding machines, internal cylindrical, non-NC	106	3457
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	407	14609
310080	Sharpening machines (tool & cutter grinding), NC	83	3742
390050	Sharpening machines (tool & cutter grinding), non-NC	316	3539
400060	Honing or lapping machines, NC	17	1572
400080	Honing or lapping machines, non-NC	89	5134
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	46	3105
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	623	16468
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	8	46
200010	Shaping or slotting machines, NC	2	298
200090	Shaping or slotting machines, non-NC	31	2613
300060	Broaching machines, NC	5	2814
300080	Broaching machines, non-NC	8	3127
401020	Gear cutting for bevel gears	1	518
401030	Gear hobbers	79	11932
401040	Gear shapers	29	3150
401060	Gear cutting machines, n.e.c.	114	2233
405050	Gear grinding or finishing for bevel gears	1	49
405070	Gear grinding or finishing machines, n.e.c.	24	10785
500050	Sawing or cutting-off machines, NC	61	9851
500090	Sawing or cutting-off machines, non-NC	762	15722
9000000001	Metal cutting machine tools, n.e.c.	152	8166
9800000001	Used or rebuilt machine tools	1200	23091
9900000001	Machine tools valued at less than $3,025	432784	42940
	Cutting Total		
Please see notes on last page	Y-T-D Cutting Total	447227	858977
of the metal forming section.	NC Y-T-D Cutting Total	4590	582287

U.S. IMPORTS - Metal Cutting Machine Tools: January 91 - June 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	5	2672
301070	0	0	1	15	1	66	0	0	6	422
8457100015	0	0	0	0	1	9	4	334	19	2972
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	13	4474
100045	0	0	0	0	5	163	0	0	41	92478
200010	0	0	0	0	0	0	0	0	1	1761
200090	0	0	0	0	0	0	0	0	2	634
300010	0	0	0	0	1	582	0	0	5	6726
300090	0	0	0	0	4	1689	0	0	5	4073
8458110010	0	0	12	1495	0	0	0	0	16	4217
110030	3	252	0	0	0	0	3	402	2	159
110050	0	0	0	0	0	0	13	1910	2	247
110090	0	0	0	0	0	0	0	0	9	5801
190030	0	0	173	1698	1	11	5	71	0	0
190050	0	0	7	137	0	0	0	0	8	2290
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	21	166	1	5	3	34	4	6694
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	10	2142	1	1019
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	2	30	0	0	1	981
991050	0	0	0	0	0	0	3	294	0	0
995090	0	0	28	233	1	16	0	0	19	636
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	199	0	0	7	1126
290040	0	0	0	0	2	15	0	0	0	0
290050	0	0	5	61	0	0	0	0	3	55
290070	0	0	0	0	1	160	0	0	4	38
290090	0	0	7	76	8	531	1	1208	10	1693
310010	0	0	0	0	0	0	0	0	2	1783
310040	0	0	0	0	0	0	0	0	19	5098
310070	0	0	0	0	2	15	0	0	7	1398
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	9	0	0	12	2260
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	5	73	0	0	0	0
400080	0	0	0	0	32	427	83	1757	28	242
510080	0	0	0	0	0	0	0	0	2	8
590030	0	0	0	0	0	0	3	364	10	165
610080	0	0	0	0	0	0	1	164	17	7395
690050	0	0	0	0	0	0	2	11	1	8
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	2	25	0	0	20	1300
700020	0	0	0	0	1	12	0	0	3	591
700080	1	5	0	0	0	0	0	0	10	191
8460110080	1	9	0	0	1	3	0	0	45	4340
190010	0	0	9	195	0	0	0	0	2	511
190050	0	0	0	0	18	75	3	97	12	945
210080	0	0	0	0	1	233	0	0	71	6682
290010	0	0	0	0	32	288	0	0	66	389
290030	0	0	0	0	0	0	0	0	4	705
290050	1	2	0	0	56	177	6	33	106	2978
310080	0	0	0	0	5	351	0	0	25	472
390050	1	25	0	0	21	78	2	45	94	1237
400060	0	0	0	0	0	0	0	0	7	491
400080	0	0	0	0	5	55	0	0	17	2135
900060	0	0	0	0	1	71	0	0	0	0
900080	0	0	0	0	12	135	19	75	89	4967
100060	0	0	0	0	0	0	0	0	0	0
100080	1	6	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	1	85
200090	0	0	0	0	6	36	0	0	5	86
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	54	10434
401040	0	0	0	0	0	0	0	0	6	2079
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	1	755	0	0	0	0	0	0	11	5220
500050	0	0	0	0	0	0	1	28	24	9531
500090	0	0	0	0	170	2257	5	55	150	5497
9000000001	0	0	0	0	13	169	1	10	30	3890
9800000001	3	231	3	70	98	686	9	194	197	4518
9900000001	12	13	0	0	922	581	811	677	3575	1197
Tot	24	1297	266	4144	1433	9228	988	9905	4905	229996
Y-T-D Tot	24	1297	266	4144	1433	9228	988	9905	4905	229996
NC YTD Tot	4	261	12	1495	26	1740	32	4980	353	164502

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools: January 91 - June 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	216	17223	0	0	0	0	0	0
301050	0	0	68	5734	0	0	0	0	0	0
301070	0	0	11	241	0	0	0	0	0	0
8457100015	1	744	516	48378	5	391	51	2381	0	0
100025	1	744	35	7542	0	0	2	109	0	0
100035	0	0	240	51327	6	418	0	0	0	0
100045	2	1229	42	3820	5	278	0	0	0	0
200010	1	1047	6	315	14	1331	0	0	0	0
200090	0	0	2	305	0	0	0	0	0	0
300010	1	587	0	0	0	0	0	0	0	0
300090	5	2884	0	0	0	0	0	0	0	0
8458110010	0	0	104	15392	2	108	0	0	0	0
110030	1	124	748	63179	40	2182	0	0	0	0
110050	0	0	182	27107	2	204	0	0	1	124
110090	0	0	17	3623	0	0	0	0	0	0
190030	0	0	5	139	69	647	105	1340	32	325
190050	0	0	1	60	0	0	0	0	1	103
190070	0	0	6	1094	0	0	0	0	0	0
190090	0	0	54	3777	0	0	0	0	3	111
911060	0	0	3	550	0	0	0	0	0	0
911080	0	0	8	1890	2	241	0	0	0	0
915050	0	0	9	2344	0	0	0	0	0	0
915070	4	589	8	815	0	0	0	0	0	0
991050	16	67	3	104	0	0	0	0	26	176
995090	1	258	12	708	32	1787	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	201	15044	0	0	0	0	0	0
290040	2	41	6	970	0	0	0	0	0	0
290050	7	153	6	190	2	35	0	0	6	123
290070	0	0	5	58	0	0	0	0	1	6
290090	3	397	50	1508	1	128	0	0	151	878
310010	3	1692	6	1722	0	0	0	0	0	0
310040	0	0	1	342	0	0	0	0	0	0
310070	1	329	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	6	66	4	541	0	0	0	0	1	168
400040	0	0	3	948	0	0	0	0	0	0
400050	29	415	2	172	0	0	0	0	0	0
400070	2	212	5	3563	0	0	0	0	0	0
400080	17	295	3	136	0	0	0	0	0	0
510080	1	397	3	1549	0	0	0	0	148	977
590030	4	168	12	298	0	0	1	24	653	5152
610080	1	347	34	7113	0	0	3	119	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	5	298	0	0	0	0	0	0
690090	1	18	8	3101	0	0	0	0	10	299
700020	0	0	85	4928	0	0	0	0	0	0
700080	1	55	26	1267	0	0	0	0	2	161
8460110080	5	159	4	1000	0	0	0	0	0	0
190010	9	237	12	719	0	0	104	1028	0	0
190050	3	153	9	320	0	0	0	0	5	481
210080	2	811	159	24505	0	0	0	0	0	0
290010	0	0	31	1500	0	0	0	0	1	40
290030	0	0	5	389	0	0	0	0	0	0
290050	19	1052	88	7819	1	2	0	0	1	398
310080	1	3	9	1332	0	0	0	0	0	0
390050	22	156	23	331	0	0	0	0	1	60
400060	0	0	9	1072	0	0	0	0	0	0
400080	0	0	30	1133	0	0	0	0	0	0
900060	1	277	11	2394	0	0	0	0	0	0
900080	79	1385	183	5532	0	0	0	0	14	1229
100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	1	213	0	0	0	0	0	0
200090	0	0	20	2490	0	0	0	0	0	0
300060	0	0	2	341	0	0	0	0	0	0
300080	0	0	2	509	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	5	1005	4	176	0	0	0	0
401040	0	0	18	999	0	0	0	0	0	0
401060	0	0	5	360	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	2	162	2	504	0	0	0	0	0	0
500050	8	96	1	34	0	0	0	0	0	0
500090	59	1439	163	4710	0	0	0	0	6	68
9000000001	17	331	38	2432	8	45	0	0	1	5
9800000001	42	584	456	6204	1	20	4	429	3	23
9900000001	20818	2885	25834	4092	11037	998	292	48	71	75
Tot	21198	22587	29881	371353	11231	8991	562	5479	1138	10984
Y-T-D Tot	21198	22587	29881	371353	11231	8991	562	5479	1138	10984
NC YTD Tot	40	9610	2739	315696	76	5153	56	2609	149	1101

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools: January 91 - June 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	42	6046	24	161	0	0	0	0
301050	0	0	13	1243	13	184	0	0	4	176
301070	2	23	13	310	51	434	0	0	0	0
8457100015	0	0	0	0	73	4937	109	7346	15	395
100025	0	0	0	0	14	1787	0	0	0	0
100035	0	0	1	111	3	395	4	1833	1	176
100045	2	826	3	1619	0	0	17	1459	4	337
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	1	93	0	0	0	0	0	0
300090	0	0	12	2616	0	0	1	1687	0	0
8458110010	0	0	1	632	2	124	1	472	0	0
110030	0	0	13	1533	74	3550	11	665	1	17
110050	0	0	0	0	0	0	4	622	0	0
110090	2	2452	0	0	0	0	0	0	0	0
190030	3	30	1	4	545	4349	160	2435	100	575
190050	0	0	13	1686	119	921	5	312	3	444
190070	0	0	6	1103	1	33	1	43	0	0
190090	0	0	2	98	56	547	47	800	22	103
911060	0	0	0	0	0	0	0	0	0	0
911080	1	255	1	65	0	0	0	0	0	0
915050	1	368	3	175	0	0	0	0	0	0
915070	0	0	0	0	0	0	2	771	0	0
991050	0	0	0	0	8	30	1	3	0	0
995090	1	4	1	75	13	64	13	611	14	69
8459100000	0	0	0	0	0	0	1	13	0	0
210080	0	0	0	0	2	28	0	0	0	0
290040	0	0	2	31	0	0	0	0	0	0
290050	0	0	0	0	53	397	0	0	7	57
290070	24	77	0	0	0	0	0	0	0	0
290090	3	29	0	0	1	21	11	253	8	154
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	2	1336	0	0	4	954	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	1	12	2	12
390050	0	0	1	462	28	122	2	7	0	0
400040	0	0	0	0	0	0	0	0	1	95
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	57	546	14	549	0	0
590030	1	41	0	0	336	2013	31	608	12	81
610080	0	0	3	960	123	2081	4	2954	15	133
690050	0	0	4	553	8	32	0	0	0	0
690070	0	0	0	0	13	238	0	0	0	0
690090	0	0	3	119	57	429	3	72	3	327
700020	0	0	0	0	7	175	1	44	0	0
700080	0	0	21	355	0	0	4	126	0	0
8460110080	0	0	2	228	1	110	8	76	0	0
190010	0	0	0	0	80	455	0	0	0	0
190050	4	1481	11	316	537	3686	12	313	4	67
210080	5	2058	13	2736	0	0	8	5426	4	26
290010	0	0	31	1884	10	217	11	349	1	9
290030	21	632	13	1053	9	54	0	0	2	42
290050	1	23	15	1211	54	459	46	225	1	5
310080	0	0	19	602	0	0	9	6	3	279
390050	0	0	13	278	15	75	108	948	1	11
400060	0	0	0	0	0	0	1	10	0	0
400080	4	1130	5	282	0	0	27	393	0	0
900060	0	0	1	98	0	0	0	0	7	75
900080	4	889	6	316	24	290	75	439	5	46
100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	2	8	0	0	5	31	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	1	2403	0	0
300080	0	0	2	35	0	0	4	2583	0	0
401020	0	0	1	518	0	0	0	0	0	0
401030	0	0	1	82	0	0	13	177	0	0
401040	0	0	0	0	0	0	0	0	1	13
401060	0	0	92	14	0	0	12	9	0	0
405050	0	0	0	0	0	0	1	49	0	0
405070	0	0	6	3909	0	0	1	4	1	231
500050	0	0	0	0	27	162	0	0	0	0
500090	1	64	6	264	91	596	21	115	4	55
9000000001	0	0	27	934	6	144	3	31	0	0
9800000001	17	245	44	2326	35	264	198	5415	13	363
9900000001	1631	1704	204	107	305358	25753	496	241	21923	923
Tot	1728	12331	676	38424	307928	55864	1512	43893	22182	5296
Y-T-D Tot	1728	12331	676	38424	307928	55864	1512	43893	63757	34503
NC YTD Tot	11	5959	125	18193	421	14266	200	25611	346	11110

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - June 91

RELEASED: August 28, 1991

Metal Forming Machine Tools		TOTAL YTD UNITS	$000
8454300010	Die casting machines	150	18839
8462100030	Headers and upsetters, including cold headers	51	10285
100050	Forging or die stamping machines, and hammers, n.e.c.	371	21719
210080	Bending, folding, straight. or flat. mach., incl presses, NC	246	20076
290030	Press brakes, non-NC	120	4232
290040	Bending rolls, non-NC	33	969
290050	Bending, folding, straight., or flat., n.e.c., non-NC	495	15463
310080	Shearing machines, NC	10	1510
390050	Shearing machines, non-NC	163	5042
410080	Punching or notching mach., incl. comb. punch & shear, NC	99	15118
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	226	5210
910060	Hydraulic presses, NC	8	5082
910090	Hydraulic presses, non-NC	798	11261
990030	Presses, n.e.c., NC	1	1281
990035	Mechanical transfer presses, non-NC	7	57915
990045	Mechanical presses, n.e.c., non-NC	53	13428
990060	Presses, n.e.c., non-NC	202	12336
8463100080	Draw benches for bars, tubes, profiles, wire or the like	97	7962
200080	Thread rolling machines	32	1185
300080	Machines for working wire	558	29838
900080	Metal forming machine tools, n.e.c.	551	16516
9800000002	Used or rebuilt machine tools	2137	16256
9900000002	Machine tools valued at less than $3,025	7424	2601
	Forming Total		
	Y-T-D Forming Total	13832	294123
	NC Y-T-D Forming Total	364	43066
	Cutting and Forming Totals: Total		
	Y-T-D Total	461059	1153100
	NC Y-T-D Total	4954	625353

Other Manufacturing Technology		TOTAL YTD UNITS	$000
1000000000	Machine tool parts and accessories	0	282560
2000000000	Parts for working rubber or plastics - heading 8477	0	174498
2710003070	Quenching or cutting oils	0	152
8428900010	Industrial robots for lifting, handling, loading or unload	939	14633
8431390080	Parts industrial robots, handling and loading - heading 8428	0	46745
8456101010	Laser, light or photon beam for working metal, NC	63	16239
101020	Laser, light or photon beam for working metal, non-NC	46	6259
105000	Laser, light or photon beam for other materials	36	4809
201010	Ultrasonic processes for working metal, NC	0	0
201050	Ultrasonic processes for working metal, non-NC	32	114
205000	Ultrasonic processes for working other materials	26	154
8477103000	Injection molding mach., for manufacturing shoes	5	875
106010	Injection molding mach., for rubber or oth. thermosetting	432	49943
106050	Injection molding mach., for thermoplastics	1141	112577
200005	Extruders; rubber or other thermosetting mat., single screw	21	4073
200015	Extruders; rubber or thermosetting, other incl. multi. screw	105	12459
200035	Extruders; thermoplastics, single screw, less than 6.4cm	53	1668
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	45	4613
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	31	3713
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	75	10524
300000	Blow molding machines	104	28059
400000	Vacuum-molding and other thermoforming machines	223	9139
510010	Machines for molding or retreading pneumatic tires	238	13927
510090	Machines for molding or otherwise forming inner tubes	44	2971
590000	Machines for molding or otherwise forming n.e.c.	333	16753
800000	Machines for working rubber or plastics n.e.c.	1117	80214
8479899040	Industrial robots, n.e.c.	1989	75024
908040	Industrial robot parts	0	17150
8537100030	Numerical controls for controlling machine tools	4725	17152
9024100000	Machines and appliances for testing metals	0	5970
9031100000	Machines for balancing mechanical parts	0	3806
300000	Profile projectors	0	3275
9032810020	Industrial process control instr., hydraulic	68804	1927
810060	Industrial process control instr., pneumatic	86600	2888

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - June 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	37	2620	2	218	2	658
8462100030	1	73	0	0	9	42	0	0	9	1797
100050	0	0	0	0	29	793	1	36	33	5917
210080	1	561	0	0	19	2854	3	11	10	1583
290030	25	1332	0	0	70	2572	0	0	0	0
290040	0	0	0	0	19	557	0	0	4	177
290050	1	7	0	0	122	2230	1	78	56	2186
310080	0	0	0	0	0	0	1	35	1	125
390050	19	438	0	0	26	827	0	0	9	526
410080	0	0	0	0	1	2	1	9	47	5081
490050	0	0	0	0	9	730	0	0	75	1932
910060	0	0	0	0	0	0	0	0	5	4220
910090	1	31	0	0	23	2537	4	13	72	1809
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	2	18629	0	0	0	0	0	0
990045	1	74	0	0	2	81	0	0	1	155
990060	0	0	0	0	83	3530	6	116	21	3476
8463100080	13	1040	0	0	4	526	0	0	54	3419
200080	0	0	0	0	0	0	0	0	6	109
300080	16	883	4	90	17	1787	0	0	91	7482
900080	0	0	0	0	32	392	45	319	105	6551
9800000002	28	508	17	976	250	2227	4	192	97	1664
9900000002	0	0	1	3	513	260	37	75	198	149
Tot	106	4949	24	19697	1265	24565	105	1102	896	49019
Y-T-D Tot	106	4949	24	19697	1265	24565	105	1102	896	49019
NC YTD Tot	1	561	0	0	20	2855	5	55	63	11010
C&F	130	6246	290	23841	2698	33792	1093	11008	5801	279015
C&F Y-T-D	130	6246	290	23841	2698	33792	1093	11008	5801	279015
C&F NC YTD	5	822	12	1495	46	4595	37	5035	416	175512

Other Manufacturing Technology

1000000000	0	3389	0	444	0	39515	0	4677	0	63441
2000000000	0	241	0	53	0	29135	0	20473	0	65196
2710003070	0	0	0	0	0	65	0	0	0	8
8428900010	1	53	0	0	47	644	3	196	40	1066
8431390080	0	4	0	297	0	9206	0	778	0	5336
8456101010	0	0	0	0	0	0	0	0	3	1099
101020	0	0	0	0	0	0	0	0	39	2953
105000	0	0	0	0	11	950	0	0	4	1376
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	1	47
106010	0	0	0	0	8	840	12	1815	64	6612
106050	7	61	0	0	207	29296	2	30	312	19623
200005	0	0	0	0	1	87	0	0	8	2815
200015	0	0	0	0	5	34	1	91	38	7474
200035	0	0	0	0	31	583	0	0	2	115
200045	0	0	0	0	5	367	0	0	13	3472
200055	0	0	0	0	2	22	0	0	18	2945
200065	0	0	0	0	9	309	0	0	31	3518
300000	0	0	0	0	12	371	11	9924	24	9944
400000	1	13	0	0	3	85	1	16	73	3132
510010	0	0	0	0	83	4287	6	706	13	6507
510090	0	0	2	32	5	19	1	8	1	90
590000	1	350	0	0	55	1909	9	657	111	3202
800000	25	364	0	0	149	2554	17	2767	286	25249
8479899040	0	0	0	0	10	1635	3	169	30	3252
908040	0	0	0	0	0	181	0	32	0	6873
8537100030	0	0	0	0	5	79	1	3	61	171
9024100000	0	9	0	3	0	334	0	0	0	1159
9031100000	0	0	0	0	0	135	0	3	0	536
300000	0	0	0	5	0	15	0	0	0	315
9032810020	100	516	0	0	13	50	0	0	149	121
810060	0	0	19	5	21556	163	210	21	7615	553

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - June 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	14	494	58	12368	1	82	1	300	0	0
8462100030	19	4117	9	2545	0	0	0	0	0	0
100050	14	1005	237	9484	3	154	0	0	0	0
210080	21	650	160	11748	0	0	0	0	0	0
290030	0	0	9	145	0	0	0	0	0	0
290040	0	0	4	20	0	0	0	0	0	0
290050	67	750	114	4451	0	0	0	0	3	75
310080	1	109	5	1188	0	0	0	0	0	0
390050	12	1305	31	1187	0	0	0	0	1	27
410080	0	0	37	4958	0	0	0	0	0	0
490050	51	915	15	471	0	0	0	0	49	582
910060	0	0	2	826	0	0	0	0	0	0
910090	23	500	257	2669	6	129	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	5	39286	0	0	0	0	0	0
990045	6	298	21	11950	0	0	0	0	0	0
990060	7	349	44	2799	0	0	0	0	3	166
8463100080	3	95	23	2882	0	0	0	0	0	0
200080	0	0	19	1000	0	0	0	0	0	0
300080	98	5176	289	10713	0	0	0	0	1	183
900080	17	2248	50	2273	0	0	0	0	30	337
9800000002	17	1221	150	6066	2	80	0	0	1	2
9900000002	612	194	698	200	0	0	0	0	189	163
Tot	982	19427	2237	129230	12	445	1	300	277	1533
Y-T-D Tot	982	19427	2237	129230	12	445	1	300	277	1533
NC YTD Tot	22	759	204	18720	0	0	0	0	0	0
C&F	22180	42014	32118	500583	11243	9436	563	5779	1415	12517
C&F Y-T-D	22180	42014	32118	500583	11243	9436	563	5779	1415	12517
C&F NC YTD	62	10369	2943	334416	76	5153	56	2609	149	1101

Other Manufacturing Technology

1000000000	0	9770	0	79794	0	916	0	2021	0	1226
2000000000	0	5652	0	30264	0	896	0	566	0	99
2710003070	0	0	0	67	0	0	0	0	0	0
8428900010	3	167	793	10034	0	0	1	76	2	82
8431390080	0	800	0	16589	0	34	0	45	0	49
8456101010	0	0	52	13752	0	0	0	0	0	0
101020	0	0	1	292	0	0	0	0	0	0
105000	0	0	5	773	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	2	6	6	39	0	0	18	15	0	0
205000	0	0	3	13	0	0	0	0	0	0
8477103000	3	772	0	0	0	0	0	0	0	0
106010	13	2785	215	29633	4	337	4	201	0	0
106050	57	8437	354	40405	9	378	7	57	1	4
200005	0	0	7	1032	0	0	0	0	0	0
200015	1	20	11	2545	1	350	0	0	0	0
200035	2	222	0	0	1	4	0	0	0	0
200045	0	0	2	230	2	10	0	0	0	0
200055	1	123	5	375	0	0	0	0	0	0
200065	4	352	7	4716	0	0	0	0	0	0
300000	-9	2996	18	4154	0	0	0	0	0	0
400000	74	2716	19	2978	0	0	0	0	0	0
510010	5	153	30	1545	0	0	0	0	0	0
510090	11	739	17	1926	0	0	1	59	0	0
590000	10	633	51	5204	0	0	0	0	0	0
800000	61	3140	233	29481	10	215	15	183	0	0
8479899040	3	703	1448	64169	3	36	2	57	3	3
908040	0	235	0	6399	0	0	0	0	0	0
8537100030	29	169	4535	16652	0	0	0	0	0	0
9024100000	0	305	0	1206	0	0	0	0	0	148
9031100000	0	52	0	2972	0	46	0	0	0	0
300000	0	0	0	1373	0	0	0	0	0	0
9032810020	0	0	2299	181	7540	44	0	0	0	0
810060	1011	136	328	894	28500	88	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - June 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	6	1840	18	2	5	39	0	0
8462100030	0	0	0	0	0	0	4	1711	0	0
100050	0	0	5	898	19	687	9	145	1	572
210080	8	1719	5	112	3	31	2	198	0	0
290030	0	0	0	0	0	0	2	8	3	23
290040	3	108	0	0	1	24	2	83	0	0
290050	54	2147	24	601	15	280	18	2313	2	9
310080	2	53	0	0	0	0	0	0	0	0
390050	1	29	0	0	0	0	59	642	1	11
410080	0	0	1	238	0	0	0	0	6	2850
490050	6	77	4	71	9	49	5	275	1	32
910060	0	0	0	0	0	0	0	0	0	0
910090	3	2732	21	508	186	107	7	49	1	7
990030	0	0	0	0	0	0	1	1281	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	1	13	3	555	1	115	13	138	0	0
990060	5	120	1	10	18	710	11	958	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	3	53	0	0	0	0
300080	2	78	10	2811	8	170	19	310	0	0
900080	0	0	178	2366	11	95	60	1092	1	105
9800000002	9	62	129	323	31	49	1340	1548	26	1067
9900000002	29	18	190	216	3491	976	42	88	2	3
Tot	123	7156	577	10550	3794	3348	1599	10878	44	4679
Y-T-D Tot	123	7156	577	10550	3794	3348	1599	10878	1834	11923
NC YTD Tot	10	1772	6	350	3	31	3	1479	27	5474
C&F	1851	19487	1253	48973	311722	59212	3111	54772	65591	46426
C&F Y-T-D	1851	19487	1253	48973	311722	59212	3111	54772	65591	46426
C&F NC YTD	21	7731	131	18543	424	14297	203	27090	373	16584

Other Manufacturing Technology

1000000000	0	5987	0	18766	0	9758	0	23644	0	3376
2000000000	0	391	0	6459	0	2371	0	3936	0	1374
2710003070	0	0	0	0	0	8	0	4	0	0
8428900010	19	618	3	122	0	0	9	135	5	156
8431390080	0	1561	0	918	0	751	0	4072	0	917
8456101010	0	0	5	879	0	0	1	483	0	0
101020	0	0	0	0	0	0	3	516	1	112
105000	0	0	0	0	0	0	8	16	4	433
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	6	55	0	0
205000	0	0	4	7	0	0	18	109	0	0
8477103000	0	0	0	0	1	56	0	0	0	0
106010	0	0	54	4641	26	944	6	158	12	659
106050	0	0	24	3314	36	1004	20	259	18	1976
200005	0	0	0	0	0	0	1	99	0	0
200015	16	246	0	0	20	576	0	0	1	46
200035	0	0	0	0	0	0	17	744	0	0
200045	6	8	0	0	1	14	13	112	2	3
200055	2	133	0	0	2	113	0	0	0	0
200065	0	0	0	0	14	416	5	384	2	799
300000	0	0	0	0	15	194	10	184	1	28
400000	0	0	0	0	0	0	52	199	0	0
510010	0	0	0	0	0	0	16	136	18	22
510090	0	0	0	0	3	69	2	26	0	0
590000	4	290	10	576	14	613	22	2037	2	12
800000	0	0	30	3864	75	2047	93	4562	16	333
8479899040	16	857	62	2182	4	18	8	158	52	250
908040	0	452	0	606	0	23	0	974	0	281
8537100030	18	11	1	2	53	20	3	37	1	2
9024100000	0	757	0	452	0	3	0	1334	0	9
9031100000	0	12	0	4	0	0	0	36	0	0
300000	0	0	0	42	0	0	0	1390	0	15
9032810020	11	12	4327	181	0	0	4616	35	6777	147
810060	13937	789	5	4	10985	35	49	15	500	7

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 - June 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	858	4044	23	1290	881	5334
Bulgaria	16	109	0	0	16	109
Czechoslovakia	72	972	4	69	76	1041
Denmark	219	1135	41	686	260	1821
Finland	66	231	75	5298	141	5528
Hungary	15	522	0	0	15	522
Ireland	159	317	2	2	161	319
Luxembourg	4	78	1	13	5	91
Netherlands	249	3223	25	711	274	3934
Norway	142	347	5	67	147	415
Poland	92	2826	2	7	94	2833
Portugal	10	82	2	36	12	119
Romania	8	462	0	0	8	462
USSR	14	326	2	28	16	354
Yugoslavia	171	1948	6	1827	177	3775
Other Europe	17	191	0	0	17	191
TOTAL	34281	386230	4853	114648	39134	500878
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	521	179	48	1004	569	1183
Oth N & C Am.	9	53	1	1	10	55
TOTAL	1963	9460	1314	25570	3277	35030
SOUTH AMERICA						
Argentina	1	62	1	36	2	98
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	267	4207	25	19732	292	23939
OCEANIA						
Australia	151	1495	22	114	173	1609
New Zealand	3	86	0	0	3	86
Oth Oceania	0	0	0	0	0	0
TOTAL	154	1580	22	114	176	1695

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 - June 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	50689	9249	1461	248	52150	9497
Hong Kong	10102	772	28	172	10130	944
India	49	625	5	33	54	658
Indonesia	0	0	25	2	25	2
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	31	1396	8	246	39	1642
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	1	4	0	0	1	4
Thailand	80	3016	2	5	82	3021
Other Asia	0	0	0	0	0	0
TOTAL	410554	456748	7573	134029	418127	590777
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	5	568	45	29	50	596
Swaziland	2	9	0	0	2	9
Oth Africa	1	176	0	0	1	176
TOTAL	8	752	45	29	53	781

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.